

# Manufacturers Record

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EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

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## Open Sessions of the Federal Reserve Board Should Be Demanded by the Country

THE action of the Federal Reserve Board in permitting the advance in the rediscount rate by the New York Reserve bank naturally brought forth tremendous selling orders in the stock market and a wild scramble to unload. It is estimated that the aggregate price declined about \$2,000,000,000 in one day. The action of the Federal Reserve System in making this sudden announcement once more brings to the front the supreme importance of requiring the Federal Reserve Board to open its meetings to the public. No organization of such vast and practically illimitable power over the finances and business of the country, and to a considerable extent over the world's business, should be permitted to hold its sessions in secret, notwithstanding the views of bankers that the public must not know what is transpiring on the inside.

The Interstate Commerce Commission, with a somewhat similar power, permits open hearings and open discussions. It may reach its final decision in secret conference, but the public at least has had the opportunity of knowing what is being discussed in the matter of railroad rates and combinations.

The Supreme Court, the most august body on earth, wouldn't dare to reach a decision on vital matters without an open session, permitting both sides of the case to be presented, for discussion. It then, after these discussions have been heard, may meet in private conference and announce its decisions.

But the Federal Reserve Board, on the contrary, permits the public to know nothing whatever as to what is going on, holds its meetings in a secrecy which cannot be penetrated and suddenly promulgates its decisions and gives no reasons therefor to any sufficient extent to enable the public to form a correct conclusion.

When the secret meeting for further deflation was held by the Federal Reserve Board and its advisors in May, 1920, its decisions were not known to the outside for two years. Only then was a stenographic report made of the discussions of the meeting and copies sent to those who had been in attendance. One of the members of the board promptly sent his copy to the MANUFACTURERS RECORD. We were thus enabled, two years after the meeting and in advance of any other

paper in the country, to tell the story exactly as it had taken place on that fatal day of May 18, 1920.

That meeting was fraught with results of tremendous, yea, of terrific influence upon the welfare of the country, but at its close Governor Harding made the statement that it was to be understood that nothing that had taken place could be discussed outside, except to the immediate associates of those in attendance and that when the newspapers asked for information as to the day's doings he would turn them off by discussing the weather. Because the MANUFACTURERS RECORD dared to publish a summary of that meeting, Vice-Governor Platt wrote to this paper stating that he would endeavor to induce all who attended the meeting to take part in a suit for libel against the MANUFACTURERS RECORD. The thought in our mind at that time was "Lay on, Macduff, and damned be he who first cries hold, enough." But it is needless to say that the suit was never brought. If the men at that meeting had united to bring a libel suit against the MANUFACTURERS RECORD, they would themselves have been responsible for a criminal conspiracy and we knew that we held the cold end of the poker.

The spirit shown at that meeting and the closing remarks of Governor Harding indicate a spirit which is still too dominant in the Federal Reserve Board and which must be eliminated by congressional action if the members of the board themselves are not wise enough to see the situation.

The writer of this was once a member of the executive committee, for some years, of a financial institution with four and a half million dollars capital. It had been the custom of the older bankers on that executive committee to do everything in secret. When it was proposed that no important action should be taken by the executive committee until it had been fully discussed by the full board a great furor was raised. It was said by the old time bankers that nothing could be put through successfully if all the directors had to be advised in advance of the projects that were under investigation and discussion. The decision, however, for a report to the full board before any important action was taken was eventually carried and it proved one of the wisest actions ever taken by that organization. On the other hand, a certain great trust company, standing at the pinnacle of public confidence, had suddenly been wrecked because its executive committee had kept from the full board knowledge of all the actions of the committee.

The Federal Reserve Board holds in its grasp the greatest power for good or for evil ever committed by legislation to any similar body of men in the world's history. If the members of the board and their advisors are Solomons in

wisdom and angelic in character, they may prove to be one of the greatest blessings that has come to the business interests of America. But even if composed of Solomons and angels, the public should know constantly exactly what is going on in their meetings and should not have to take their brief prepared statements sent to the newspapers; the meetings should be open to newspapers and all others vitally interested in every action the board takes. Not until this is done will the public at large have that complete confidence in the Federal Reserve System which is necessary for the best interests of the country.

We have too much faith in the honor and integrity of men in high office to believe for one moment that any member of the Reserve Board or any director of the New York Reserve Bank used his knowledge of what was going to be done to make one dollar thereby, although any man having this advance knowledge could have made an independent fortune by selling the market short, without any financial risk. The very fact that such a power exists in this foreknowledge should make every member of the Reserve Board and every director of the Reserve banks an ardent advocate of open meetings and open discussions openly arrived at.

Secret diplomacy has cursed the world with hatreds and wars. Secret meetings of the Reserve Board give to that organization a power over finance and business greater than all secret diplomacy has given to the politicians and so-called statesmen of the world.

Open your doors to the public, members of the Reserve Board, and you may thereby save your institution and the country from the whirlwind which is inevitable unless your methods are changed, and your power tremendously curtailed.

### THE ONLY KIND OF PAPER WITH WHICH TO DO BUSINESS

THE News and Observer, of Raleigh, quotes the president of the Illinois Central Railroad as having said:

**"Editorial opinion that is worth buying, cannot be bought. Editorial opinion that can be bought, is not worth buying."**

Some years ago, Samuel Spencer, then president of the Southern Railway Co., gave as one reason why he liked to advertise in the MANUFACTURERS RECORD the fact that he knew his advertising or non-advertising would have no influence whatever on the editorial or news policy of this paper. "That," said he, "is the kind of paper with which I want to do business."

That is the only kind of paper with which legitimate business concerns ought to do business. The editorial or news columns that are for sale are not worth being bought and the editorial and news columns that are not for sale at any price cannot be bought. The advertiser must through the advertising pages, and not through disguised advertising propaganda in the news columns, attempt to influence public opinion. Whether it is a bank advertising its financial resources; a railroad advertising its travel facilities or the advantages of the country through which it runs; a hydro-electric company seeking to attract more industries to the territory in which it operates; a manufacturer seeking to sell his machinery, or an engineer presenting his business card to the public—the only fair, legitimate and honorable way of advertising is through the display advertising pages of a newspaper whose editorial and news columns cannot be bought nor influenced. That is the only kind of paper with which serious-minded business men ought to care to do business.

### HOOVER GETS REPORT ON FLOOD CONTROL

**A**FTER about eight months of study of the Mississippi flood control problem the Research Service, Inc., consulting engineers, of Washington, have prepared a report on the control, conservation and utilization of the waters of the Mississippi River and its tributaries, and on August 8 Walter Parker, president of the National Flood Prevention and River Regulation Commission, presented a copy of the report to President Hoover. The report recommends sweeping changes in the Jadwin plan.

A preface, written by Mr. Parker, contains the following statements:

"Flood control, through the use for all beneficial purposes in place of waste in devastating freshets, of the surplus drainage of the country, is essential to the larger and permanent economic welfare of the people of the United States. Particularly is this true of the drainage basin of the Mississippi River and its tributaries.

"The purpose of this preliminary report is to make clear the necessity for a national policy relating to the water resources of the country—treating them as an asset of great potential value, and not as a liability as has been done up to the present time—under which comprehensive plans covering the many interrelated problems of streamflow regulation in aid of navigation, of impounding in aid of power and irrigation, of soil erosion, of ground water supply, of forestation, may be drawn and carried out, under able direction, by the trained bureaus of the Government.

"Its purpose also is to show that in the absence of a comprehensive national policy, the flood control work done in the past, while serving in dry weather and in seasons of moderate precipitation, has not only failed utterly in seasons of great floods, but has steadily made the situation, in its larger aspect, worse and worse.

"Source stream control will mean water for power and irrigation and, in the dry season, for streamflow in aid of a sustained water supply and all-the-year navigation channels. It will also mean reduced soil erosion and a restored ground water supply, which will greatly extend the life of the nation's agricultural economy. Finally, it will mean a greatly reduced, if not eliminated, flood and drainage problem for the lowlands.

"The cost should properly be borne by the nation—for general benefits—and by the states, localities and business enterprise—for local, or direct benefits."

### "RUN FOR YOUR LIVES!"

"About a century ago a Tennessee mountaineer attended several political meetings at which fiery speakers bitterly denounced the 'Tariff of Abominations' and predicted the calamity which it would bring upon the Southern people. Although he did not understand what the tariff was, he became much excited about it. Soon afterward he rode his horse to a town which the railroad line had just reached. Just as he came into town he heard a tremendous noise and looked around to see the first railroad engine he had ever set eyes on. Terrified, he put spurs to his steed and dashed through the town, shouting the alarm, 'Run everybody, run for your lives! Here comes the tariff!'"—*Columbia (S. C.) State.*

And that just about covers the case, as to the tariff discussion, for many speakers and many papers are doing their utmost to create the impression that the Tennessee mountaineer had of the tariff, and with just as much reason.



## Vigorous Efforts Being Made Against Progress of the South

THE MANUFACTURERS RECORD and the American Defense Society have for several years been warning the South of the determination of the communistic element of this country and of Russia to bring about a development of the communistic or Bolshevistic spirit throughout the South to disrupt labor conditions which have so long existed there for the good of the workers and of the South in general. Many people, however, thought our statements were merely the views of alarmists.

A few weeks ago we published a report of some things that took place in the strike at New Bedford last year when communistic laborers and agitators were planted in different parts of the South for the purpose of creating a communistic spirit and developing strikes here, there and everywhere. One of these families for more than a year has been located, according to that report, at Gastonia and evidently that family has been able to plant the seed for which it was sent. In other localities, communistic agitators were placed a year or more ago for the same purpose.

Last winter the American Federation of Labor, at its New Orleans meeting, determined to develop a general campaign of unionization of the entire labor interests of the South. That organization has been aggressive in carrying on such work and, while it denounces the activity of communists in trying to bore from within, it is engaged in a campaign which, so far as the South is concerned, is equally disadvantageous to this section.

The women of New York and other places who are organizing societies to stir up trouble in the cotton mills of the South, like parlor bolsheviks generally, are discussing things about which they know nothing and are trying to create the impression that cotton mill labor of the South is downtrodden and suffering from adverse conditions. Perhaps they might render some service to humanity if they were to concentrate their efforts on the very adverse mill labor conditions of New England, where strikes have been the order of the day for some years and where conditions in mill labor are far and away less desirable than in Southern mills.

Several years ago a member of the staff of this paper, then investigating as a free lance writer mill conditions in the South and in New England for Barron's Weekly, asked a mill superintendent of New England if he had any strikes. His reply was: "There are 17 nationalities represented in this mill and the people of no one nationality can understand the language of the others and, therefore, they can never get together enough to make a strike."

That situation, however, does not prevail in all New England mills, for strikes have been constant and persistent, and last summer a strike in New Bedford cotton mills lasted for about six months. At that time some of the communistic families working there were sent into the South to stir up trouble in Southern cotton mills, as already stated.

Much of this agitation, if not all of it, is definitely brought about for the express purpose of retarding the industrialism of the South to the benefit of other sections. These agitators are not so much concerned as to conditions of labor in the South, except as that labor may affect labor in other parts of the land. They want to force an advance in wages and unionize Southern labor, including the negro—not for the good of these people, but for what they think will be

the good of laborers in other sections. There is a broad, general, persistent, vicious campaign under way against further development of industry in the South. The great magnitude of the work going on in the development of Southern industry is to many like the waving of a red flag in the face of a wild bull; they cannot see the South prosper without raging wildly and seeking to find some way to halt this progress. Every effort they make in that direction, if at all successful, would merely serve to intensify agricultural depression by lessening industrial advancement and keeping out of employment tens of thousands of people eager to find employment.

Notwithstanding the rapid increase in industrial progress of the South, there is still a surplus of labor in this section, as population is increasing more rapidly than increase in factory employment. North Carolina, for instance, has the highest birth rate in the country, illustrated in the old story of a mountain farmer who was urged by an Oklahoma real estate agent to abandon his little mountainside farm and go out to the prairie region. He promised to talk at night with the "old woman," and the next day the Oklahoma man, thinking he had probably captured the farmer, came back, but the old fellow said: "I talked over the matter with the old woman and she said that as we had only 12 children, she did not want to leave this section until we got a fairly good sized family started." That is the way population is increasing in much of the mountain section of Virginia, of the Carolinas, of Georgia, of Alabama and of Arkansas. Race suicide is not yet in evidence there. Roosevelt's heart, if he were alive, would be made happy by visiting those regions and noting the size of the families. Out of these mountain districts and from off the little farms, where the land is unfit for cultivation, there is poured into every factory movement more men and women seeking employment than can be utilized for the time being.

If the industrialism of the South were halted, it would add to the poverty of these people by lessening the opportunity for employment. It would decrease the prosperity of Southern agriculture by keeping on land unfitted for farming tens of thousands of tenant farmers eking out a bare existence, whereas if factory employment were obtainable they could make for themselves enough to provide a comfortable living, as against the starvation on these little tenant farms, hampered by every condition of poor land, barely tillable, and never knowing from year to year whether their tenancy will continue or not.

A great campaign for the fuller industrialism of the South is the one supreme need of this section. That campaign should include the active support of a protective tariff for all Southern industries. It should include an active and aggressive fight against the unionizing of Southern labor and it should also include the greatest effort of the railroads, hydro-electric companies and kindred organizations of every state to create new industries through local capital and to bring new industries into the South through the capital of other sections available in almost endless amount when the situation is rightly presented to capitalists. The development of the South in this way is of supreme importance, by increasing employment, lessening the tenant farm system, and creating consumers of farm products and a home market for everything which the farm produces, whether of foodstuffs, or feedstuffs or of human factors in the shape of boys and girls growing up, needing and seeking employment, millions

of whom have had to go North and West because they could not find employment at home.

Here is a great field for constructive upbuilding work on the part of everyone interested in the welfare of the South. Every investor in Southern securities, wherever he may live, should be interested in such a movement. The management of every railroad and hydro-electric organization, every newspaper and every other corporation whose prosperity depends on the prosperity of the South should be up and at it vigorously and untiringly to broaden the industrial development of the South and thus bring prosperity to its factory operatives, to its farmers and to the people of the towns and cities alike. In this way and only in this way can the evil work of those who are seeking to unionize Southern labor, disrupt Southern employment conditions and halt the progress of this section, be overcome.

### PROTECTION A VITAL QUESTION TO THIS COUNTRY

HON. JOHN S. WISE, JR., one of the distinguished sons of Virginia living for many years in New York, in the course of a letter to this paper, writes:

"You may know I was long associated with the American Protective Tariff League until its controlling influences changed about three years ago. Since that time I have had only your editorial policy to look to for pure protection free of special interests.

"It has been with much satisfaction that I have read the letters of Mr. Wakeman with which you have supplemented your policy in the last 21 issues. Your editorial note of the twentieth issue gave me an unhappy impression you were contemplating concluding these letters.

"As you seem to be the only institution or paper we have left in this country giving pure tariff a genuine presentation. I hope you will continue to get from Mr. Wakeman his record of his knowledge and experience in this field, for I believe nobody else can supply what he can, and your policy with his aid is supplying a serious need in a wide and powerful field today otherwise unrepresented.

"I have never been able to understand why the powers which could have done so, did not maintain the policies of the American Protective Tariff League.

"It would seem the present conditions are such that there can exist no pure protective tariff organization and the special interests or exceptions in tariff as in other things have control. I hope you will continue your admirable editorial policy of pure protective tariff without special interests, otherwise I fear our protective tariff is in serious danger of passing into desuetude."

Firmly believing in the value of a well-rounded protective tariff for the entire country, the MANUFACTURERS RECORD expects to keep hewing on that line, letting "the chips fall where they may," regardless of the views of those who may oppose a protective tariff, or those who may favor a protective tariff for their own interests but are fighting against a tariff on the raw materials which they use.

We expect to continue the articles by Mr. Wakeman to which Mr. Wise refers, as long as the present tariff fight is on.

In view of the outstanding position which Mr. Wakeman has held for many years in advocacy of a protective tariff it seems to the MANUFACTURERS RECORD that the interests in this country believing in the wisdom of protection should in some way make their appreciation known to Mr. Wakeman, and let him understand while he is living how great has been his work for the welfare of this country.

### WHY INDUSTRIES GO SOUTH

TWO distinct trends in the South's industrial development are illustrated in the article in this issue on new industries in Alabama. These new industries fall into two groups, the first being those that depend on local resources for all or a part of their raw materials, the second being those that are attracted by local manufacturing advantages such as better labor conditions and lower taxes, but which must import all of their raw materials.

The Pullman company's new \$10,000,000 freight car plant near Birmingham, which will depend on the Birmingham district for 60 or 70 per cent of its raw materials, the two big paper plants, the milk condensery and the meat-packing plants are examples of the first. The reasons for their location are raw materials plus decisive advantages in labor and other factors. Their chief significance lies in the fact that, whereas in the past the South has shipped out raw materials to be manufactured into finished products and has then paid the cost of importing such of those finished products as it could afford to purchase, in the future the South will manufacture finished products from its own raw materials, with its own skill, and will ship the finished products to the world. Putting local brains and skill into the manufacture of the finished products not only saves heavy freight charges; it pays wages that spread prosperity down through all levels. In this fashion only can a section prosper. Shipping out raw materials and paying other sections to fabricate them means economic bondage.

The full-fashioned silk hosiery mills are a fair example of the second trend. The significance lies in the fact that not raw materials alone but labor capable of being highly trained, low taxes and other advantages are hard at work drawing industries to the South. The combination of all these forces—wealth of raw materials, excellent labor conditions, low taxes and the friendly attitude of the public toward industries—is resulting in the most rapid expansion of industries on a sound basis that any large area has ever seen in the history of the world.

### PUBLIC BUILDINGS IN FLORIDA.

W. M. L. HILL, secretary to Senator Duncan U. Fletcher of Florida, in a letter to the MANUFACTURERS RECORD, gives the following information as to treasury and postoffice buildings under consideration for that state:

"In addition to Jacksonville, Lakeland, Miami and Tampa, it is understood that Treasury and Post Office Department officials contemplate recommending public building projects at the following places:

Key West.....	\$400,000
Miami (Quarantine Station).....	70,000
Bradenton.....	100,000
Daytona Beach.....	100,000
Clearwater.....	100,000
Fort Myers.....	100,000
Fort Lauderdale.....	100,000
Palm Beach.....	80,000
Sarasota.....	100,000
Kissimmee.....	50,000
Lake City.....	65,000

"It is understood that in all probability proposals including the foregoing will be submitted to Congress during the regular session, beginning next December.

"There are many who regret that suitable sites have not been acquired for public buildings at Jacksonville and Miami for, had they been acquired, construction work would no doubt have been commenced ere this."

It is extremely desirable that Congress pass bills for all of these improvements and see that they are undertaken early this winter, as the construction of these buildings would be a great help to the cities in which the structures are to be located.



# Alabama Balancing Agriculture and Industry

By RICHARD WOODS EDMONDS.

IN the past two years there have come into Alabama an astonishing diversity of industries that range from small to very large. Several of the new plants represent manufactures entirely new to the state. The great Goodyear tire plant at Gadsden, the Pullman company's freight car plant near Birmingham, two full-fashioned silk hosiery mills at Decatur and a silk half-hose mill at Anniston, two big paper mills, one at Tuscaloosa and one at Mobile and the copper wire and cable plant, also at Mobile, are by no means a complete list but are fair examples. One of the paper mills is in operation; so is one of the silk hosiery mills. The others are under construction.

Most of these plants will draw heavily upon local resources. Thus, the Pullman company's freight car plant will depend on the Birmingham district for 60 to 70 per cent of its raw materials.

This fact illustrates a conspicuous feature of the industrial development going on in the state. Raw materials, instead of being shipped out, are carried through all the stages of manufacture to the finished product, and are shipped out ready for the final consumer. Twenty years ago 80 per cent of the pig iron made in the Birmingham district was shipped north of the Ohio river to be manufactured into finished products, shipped back to Birmingham and sold to the people who had produced the pig iron, or to their neighbors. Today 75 or 80 per cent of that pig iron is manufactured into the ultimate products in the city's Southern trade territory, and a large part of it is manufactured in the

*Alabama plants completed and brought into operation during 1929 or now under construction:*

General Cable Corporation....	\$1,000,000
Bemis Bros. Bag Co.....	3,000,000
Pullman freight car plant.....	10,000,000
Goodyear tire (first of four similar units).....	7,500,000
Gulf States Steel at Gadsden..	3,500,000
Tennessee Coal, Iron and Railroad Co.....	4,000,000
Gulf States Paper at Tuscaloosa	6,000,000
Gorgas Steam Plant of Alabama Power Co.....	5,000,000
Miscellaneous smaller jobs....	4,450,000
	<hr/> \$44,450,000

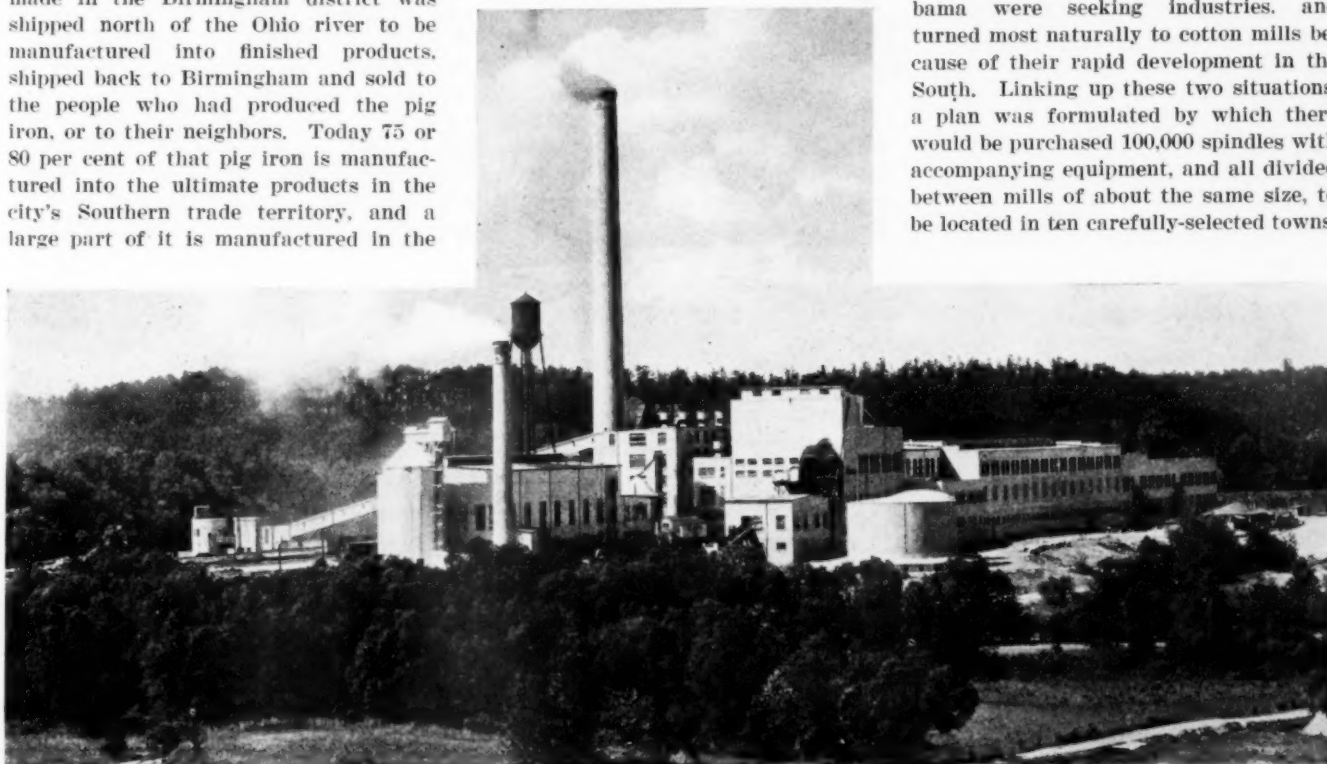
immediate vicinity of Birmingham. Thus, in the paper mill of the Gulf States Paper Co., at Tuscaloosa, some very large equipment was pointed out to me as having been built in a Birmingham shop. The Pullman plant will use large tonnages of pig iron. The Goodyear tire plant, besides the cotton used for cords, will consume moderate amounts of Southern kaolin. A milk condensary at Tuscaloosa, by providing a permanent, assured market for all the milk the neighboring farmers can produce, is en-

couraging dairying and the meat packing plant, also near Tuscaloosa, encourages stock raising.

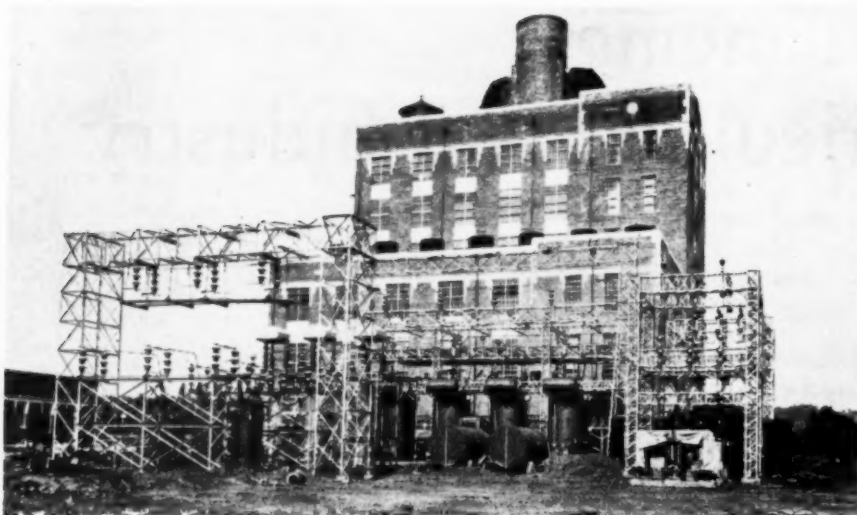
In cotton textiles, up to 1927 Alabama's lint cotton crop was worth more than the state's manufactured cotton goods, which of course meant that much of the crop was shipped to other states to be manufactured. Recent developments in this line will go far to balance the state's production and consumption.

The Bemis Bros. Bag Company, with a \$3,000,000 plant going up just outside of Talladega, will employ about 1000 people. The Alabama Mills Company with its chain of ten small mills, all built simultaneously by one corporation, and all planned most carefully to fit into their respective communities, will have a consuming capacity of about 60,000 bales per annum. There seems to be no other example on record of a chain of mills planned and built simultaneously.

The formulation of this unusual plan came about in the following fashion. Several large textile mills in New England whose directors had decided to throw up the sponge had offered their machinery for sale. At the same time some of the smaller communities in Alabama were seeking industries, and turned most naturally to cotton mills because of their rapid development in the South. Linking up these two situations, a plan was formulated by which there would be purchased 100,000 spindles with accompanying equipment, and all divided between mills of about the same size, to be located in ten carefully-selected towns.



Paper Mill and Bag Factory of Gulf States Paper Corporation Recently Completed at Tuscaloosa



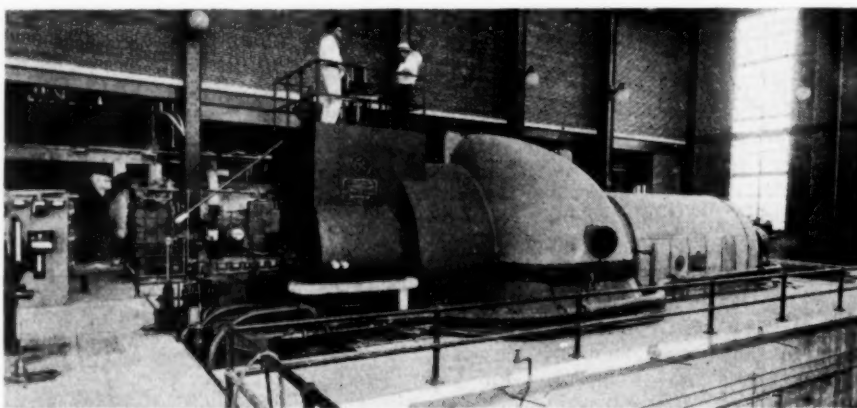
Gorgas No. 2 Reserve Steam Plant of Alabama Power Co. on Warrior River. First of Four Proposed Units.

The financial operation involved \$5,000,000, said to be one of the largest projects ever undertaken at one time by a cotton mill company. "In fitting the product of these mills to the locality," says C. L. Emerson, vice-president of L. W. Robert & Co., the engineers on the job, "it was recognized that the kind of labor and cotton available indicated some staple and fairly coarse goods. Accordingly the choice was drills, sheetings, jeans, hickory, strips, express stripes and napped sheeting."

The mills will have the benefit of the low-priced local cotton with no freight charges and abundant labor where there are no other competing labor markets, together with the advantages of expert central buying and supervision in all departments. These two companies alone will consume close to 100,000 bales of cotton.

In the textile field, including silk manufacture, the diversification has been as pronounced as it has outside of textiles. Besides the drills, sheetings, jeans,

hickory strips, express stripes and napped sheeting of the Alabama Mills Co. and the coarse goods of the Bemis



80,000 Horsepower Turbo-generator of Gorgas No. 2 Reserve Steam Plant

Bros. Bag Co., there are the two Saratoga Victory Mills, one at Guntersville making handkerchief cloth and likely to go into voiles at an early date; the other,

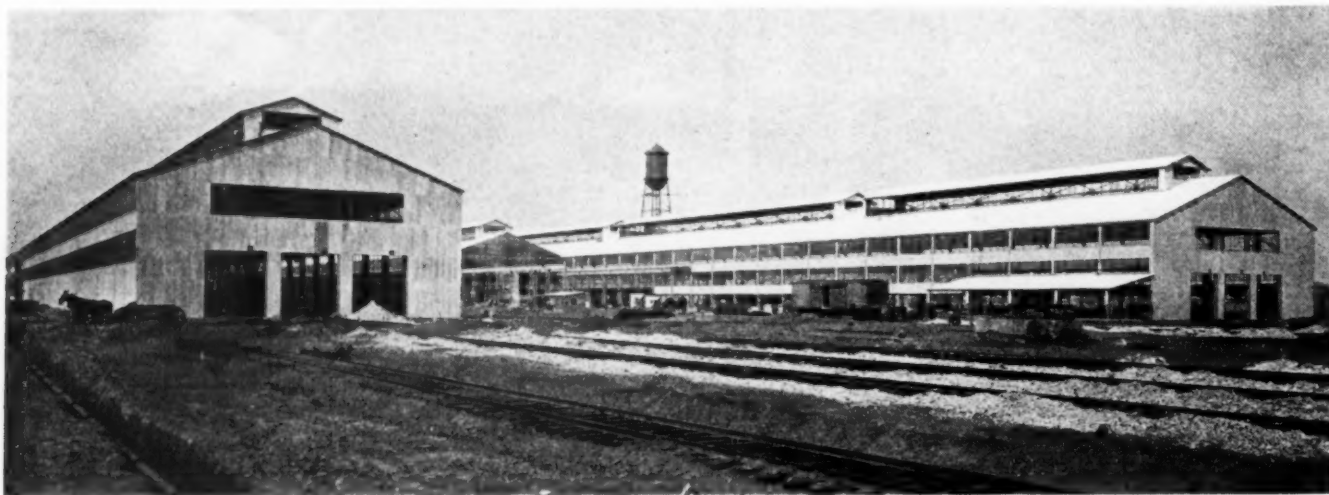
at Albertville, making broadcloth, shirts, sateens, shade cloth and other high grade products. The Alabama Braid Co., at Gadsden, makes silk ribbons and braids. There are two full-fashioned silk hosiery mills at Decatur, one still under construction, and the silk half-hose mill of the Lengel-Fencil Company at Anniston, while at Brewton the Rieback-Mandell mill makes broad silks.

Why this astonishing inrush of industries new to the state? A partial answer is contained in the explanation given by D. A. Crawford, vice-president of the Pullman Car and Manufacturing Corp., as to why his company located in Birmingham. Mr. Crawford said:

"We chose Birmingham for several reasons. First, there is the pool of industrial labor, which always is required. Then, Birmingham is the one place in the South where there is a plentiful supply of rolled steel which is an essential raw material of the industry. Excellent railroad connections and service are available here, and the community is industrially minded. The state as well as the community is receptive and friendly

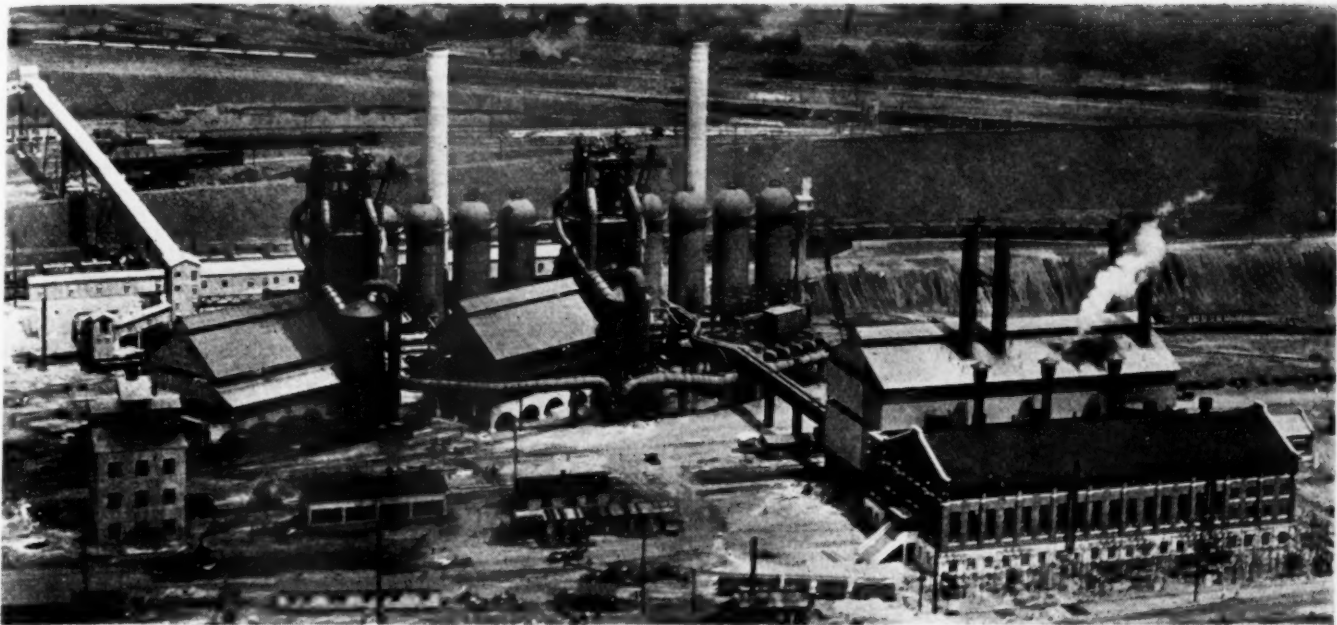
to industry and industries coming here seem to be assured of fair treatment."

So much for a great industry which must of necessity settle close to supplies



Freight Car Plant of Pullman Car & Manufacturing Corporation, Near Completion at Bessemer, Outside of Birmingham





Blast Furnaces 5 and 6 and Power House at Fairfield Works of Tennessee Coal, Iron and Railroad Company

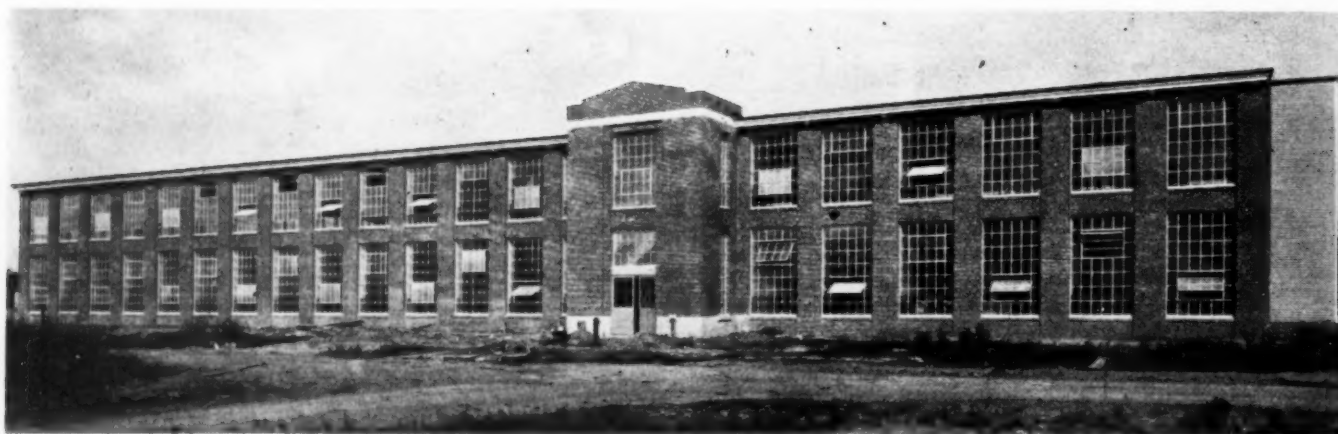


Sloss-Sheffield Blast Furnace and Complementary Equipment

This furnace is located within the business district of Birmingham and was recently reconstructed and modernized.



\$5,000,000 Plant of International Paper Company at Mobile



Fayette Unit of Alabama Mills Company, One of Ten Plants Scattered Throughout Alabama as part of an Industrial Decentralization Program

of the iron and steel it will use so largely. The reasons for the plan chosen and the sites selected for the Alabama Mills Co. are outlined by C. L. Emerson as follows:

"In each selected community there is a surplus of cotton and a surplus of labor which in the past has been exported. Many people are anxious to earn who are at present partially employed at low return on meagre farms. These people have latent qualities which with proper training make them the best operatives in the country. In these towns there are no other industries, and, therefore, no semblance of competition for help. \* \* \* It is apparent that the net results of low-cost cotton, labor, taxes, power, coal and water cannot but result in a low production cost, assuming proper management."

Mr. Emerson's description of conditions explains exactly why labor is abundant and inexpensive in the South. Tens of thousands of people now living on farms are eager to get away to factory jobs, and are merely waiting for the openings to be created. As long as this huge surplus remains unsatisfactorily employed on farms, wages, at least for the less-skilled trades, will be low. Incidentally, as long as this condition exists, farm production will be excessive and farm life underpaid. No greater service can be rendered this whole sec-

tion than to provide jobs for some of those remaining on the farms, and thereby increase the demand for all farm produce while at the same time reducing the number of such producers.

But to return to the question, Why this astonishing inrush of industries? It is only a partial answer to point to the abundance and variety of natural resources, the favorable labor conditions, low taxes and the large local market.

These reasons and advantages don't stand out like the Blue Ridge mountains, for all passers-by to see. They have been disclosed by careful and systematic surveys made by a number of agencies devoted to the state's upbuilding; and they have been very effectively used by these agencies in publicity work and in direct appeal to corporations contemplating a Southern location. Of these agencies, the oldest is the Alabama Power Company which, through its publicity and industrial development departments, has brought millions of dollars into the state for industrial developments and guided millions more of local capital. The second, the Alabama Industrial Development Board, is composed of George Gordon Crawford, president of the Tennessee Coal, Iron and Railway Company, Benjamin Russell, president of the Russell Manufacturing Co., Alexander City; Thomas W. Martin, president of the Alabama Power Company and Southeastern Power and Light Company; Governor Bibb Graves, and Theodore Swann, president of the Federal Phosphorous Company—five of the ablest, most pro-

gressive and most public spirited business leaders to be found in the state. Three of these five men have at their command corps of engineers, and each of the three is in a different field. The Industrial Board, which functions through its director, Thad Holt, is able to call upon these three corps of engineers for assistance in studying the adaptability of Alabama's resources to any industry that may be considered as a prospect.

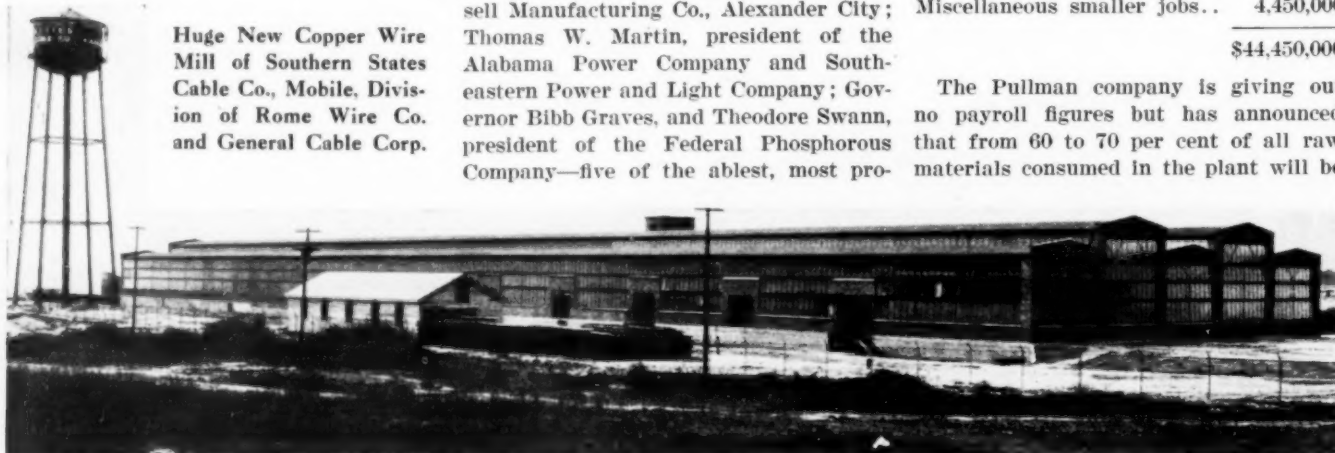
This arrangement results in the closest co-operation between the publicity and industrial departments of the Alabama Power Company and the Industrial Board, avoids much duplication of effort, and is responsible for much of the success the state has had in attracting new and important basic industries.

Plants completed and brought into operation during 1929 or now under construction are:

General Cable Corp.....	\$1,000,000
Bemis Bros. Bag Co.....	3,000,000
Pullman freight car plant..	10,000,000
Goodyear tire (first of four similar units).....	7,500,000
Gulf States Steel at Gadsden	3,500,000
Tennessee Coal, Iron & Railroad Co.....	4,000,000
Gulf States Paper at Tuscaloosa .....	6,000,000
Gorgas Steam Plant of Alabama Power Co.....	5,000,000
Miscellaneous smaller jobs..	4,450,000
	<b>\$44,450,000</b>

The Pullman company is giving out no payroll figures but has announced that from 60 to 70 per cent of all raw materials consumed in the plant will be

Huge New Copper Wire Mill of Southern States Cable Co., Mobile, Division of Rome Wire Co. and General Cable Corp.





produced in the Birmingham district. Based on ratios of production and cost of materials for all industries, the total bill for materials at this plant at capacity operation should be in the neighborhood of \$20,000,000, while wages for from 1500 to 2000 men will probably be about \$2,500,000. If 60 to 70 per cent of the materials are secured in the Birmingham district, that one plant will distribute in that locality, in one year of capacity operation, something like \$13,000,000 for supplies and about \$2,500,000 for wages, most of which will come from other states in which the cars are sold. While it will hardly maintain capacity operation for any year, these figures indicate the value to the state of this one plant, which will bring into Alabama annually considerably more money than its first cost.

If this single plant costing \$10,000,000 will have a capacity for producing annually \$36,000,000 worth of finished products from \$20,000,000 worth of materials and \$2,500,000 worth of labor, then the entire list, amounting to \$44,450,000, should multiply these figures by four.

### American Welding Society Meeting and Exhibition

Continued rapid expansion of welding applications backed by extensive research activities is indicated in the program of the fall meeting of the American Welding Society, New York City, to be held in Cleveland, O., September 9-13. Morning sessions are scheduled for the Hotel Statler with afternoon sessions and extensive exhibits at the Cleveland Public Auditorium.

In addition to nine research papers to be presented, three special sessions will be devoted largely to research. A meeting of the Bureau of Welding will deal with a variety of research projects; the Structural Steel Welding Committee will record advances in that fast-developing field; a conference of college professors and other research workers will discuss welding research and co-ordination of activity along that line.

Sessions of the American Society for Steel Treating, the Iron & Steel Division of the American Institute of Mining & Metallurgical Engineers, and the Institute of Metals Division of the American Society of Mechanical Engineers, will be held simultaneously in Cleveland the week of September 9. Cooperation of these groups makes possible the exposition in the Public Auditorium, where more than 275 manufacturers will exhibit the latest equipment, supplies and methods for the manufacture, working, treating, welding and use of every kind of metal.

## \$6,500,000 Tarrant County Water Project

To Provide Enlarged Water Supply for Fort Worth, Texas, and Flood Control on Trinity River

In November 1927, Tarrant County Water Control and Improvement District No. 1, embracing the city of Fort Worth, and approximately 26,000 acres of Tarrant county land in the Trinity River valley, voted bonds in the sum of \$6,500,000 to provide flood control on the river through Fort Worth; to insure an enlarged water supply for the city and industries outside, and to provide water for the ultimate irrigation of approximately 25,000 acres of river valley land in Tarrant County and a similar acreage in Wise County. The district is administered by a board of directors composed of W. R. Bennett, president; W. K. Stripling, secretary; W. S. Cooke, C. A. Hickman and E. E. Bewley, and Sidney Samuels and Ireland Hampton are attorneys.

Hawley & Freese, Fort Worth, consulting engineers, have completed plans and specifications for the project and it is expected construction bids will be invited as soon as \$2,000,000 of series A bonds are sold.

Two impounding reservoirs will be built, Eagle Mountain Lake 10 miles northwest of Fort Worth to impound 210,000 acre feet of permanent storage and 420,000 acre feet of flood storage, and the Bridgeport Lake dam 5 miles northwest of Bridgeport on the West Fork of Trinity River, to impound 290,000 acre feet of permanent storage and 580,000 acre feet of flood storage. The district has the right to flow water from Bridgeport Lake down the channel of the Trinity River to Eagle Mountain Lake, thence down the channel of the West Fork of Trinity River to Lake Worth, which is the present source of Fort Worth's water supply.

The main dam at each project will be of earth, with spillways of concrete. Tainter gates or Broome type self-closing gates will be used at the spillway section for control of flood water. The district plans to purchase approximately 11,000 acres in the Bridgeport Lake basin and 9000 acres in the Eagle Mountain Lake basin, beside securing easement rights to approximately 6000 acres at each reservoir. Major items of construction in the Eagle Mountain dam involve estimates of 484,000 cubic yards of wetted and rolled embankment, 150,000 cubic yards of core trench excavation, 2,360,000 cubic yards of hydraulic fill embankment, 56,000 cubic yards of rip-rap paving, 22,000 cubic yards of gravel blanket, 72,000 square feet of sheet steel piling (driven) in lengths to 40 feet, 83,000 square feet in lengths 40

to 60 feet and 3,000 square feet in lengths 60 to 100 feet, arch section; 32,000 barrels of Portland cement, 1,390,000 pounds of reinforcing steel and other items.

Approximate quantities for the Bridgeport dam include 1,390,000 cubic yards of wetted and rolled embankment, 115,000 cubic yards of core trench excavation, 1,390,000 cubic yards of puddled core, wetted and rolled levee embankment, 25,000 cubic yards of rip-rap paving, 5,000 cubic yards of solid rock excavation and a similar quantity of loose rock excavation, 10,500 square feet of sheet steel piling in place, length to 40 feet; and other items. The main earthen dam at Bridgeport will be approximately 110 feet high and main earthen dam at Eagle Mountain, 80 feet. About 10 miles of the Jacksboro branch of the Chicago, Rock Island & Gulf Railway Co. will be re-located through the Bridgeport basin, although no towns or important structures will have to be moved. Of the funds available, \$250,000 will be used to raise the levee system on Clear Fork of Trinity River and on the Trinity River through Fort Worth.

### \$600,000 School for Blind

Charlottesville, Va.—In pursuance of an Act of the Virginia Legislature several years ago appropriating \$40,000 to purchase a site for a proposed school for the blind, a tract of 146 acres near this city was acquired. Prior to the passage of the Act a special commission was appointed by the Legislature to investigate and report on the necessity of providing such a school, separate from the one at Staunton where both deaf children and blind children had been educated up to this time. This commission, of which Herbert J. Taylor, Staunton, is chairman, reported favorably on a separate school and the Legislature determined to erect one, making an appropriation for the site. A special committee of the Virginia Commission for the Blind, of which Dr. C. G. Maphis, University, is chairman, is having tentative plans prepared by C. M. Robinson, Richmond, for a number of buildings, including four cottage-type structures and an administration building, estimated to cost \$600,000. Permanent plans, however, and the construction of the buildings will necessarily depend upon the action of the next Legislature, beginning its session in January, 1930.

## Enthusiasm for Florida of Northern and Western Winter Residents

SOME recent editorials in the MANUFACTURERS RECORD on the situation in Florida have called forth many letters from winter residents of that state, extracts from which show how many of these people are deeply interested in the progress of Florida and how they regard it as a winter home.

For instance, George W. Johnson, of the Endicott Johnson Corporation of New York, great shoe manufacturers, writes that in the purchase of the site on which a church was located near his home in Daytona Beach, and in the building of a new home for his daughter on the property, he has spent about \$100,000 during this dull summer period. The purchase of the church property also put the tourist church organization in a situation to erect a new and better church building. In one of his letters, Mr. Johnson writes:

"Florida is and always will be the 'winter playground' of the Northern people able to sojourn there during the winter months. I believe there will be a growing and constantly increasing number who will go to Florida each winter, and when the effect of the real estate 'explosion,' and the result of the later disaster—the Mediterranean fly—has passed (and it will pass), and when Florida again emerges from her gloom into the golden sunshine which can be found nowhere else in the United States in such wonder and splendor, things will look decidedly better for the present and future of the people of that state.

"I hope that a measure of confidence may be restored, and that a brighter future may soon materialize, and that better citizenship will be the result of all this great trouble that has so persistently attacked this wonderful people."

August Heckscher, of New York, who has been putting a good many millions of dollars into Florida, in the course of a letter to the MANUFACTURERS RECORD, said:

"Quite apart from the improvements which we have completed in Jacksonville—which include the Bayshore Drive at a cost of not far from a million dollars for the drive and as much more in the acquisition of properties—I am now personally financing the reconstruction of a 2000-acre grove of citrus trees, in which I have already put over one and one-half million dollars.

"I have relinquished my residence at Mountain Lake, which Mr. Frederick S. Ruth has been good enough to purchase, and I am building a new home at St. Augustine."

Albert Russell Erskine, of South Bend, Ind., president of the Studebaker Corporation:

"I am making a big investment in a home at Miami Beach, which is now being built, and have several friends

who are either building or contemplate building very shortly. I understand that there is greater building activity there than at any time for several years; also a lot at Palm Beach and elsewhere."

E. L. King, multi-millionaire, of Winona, Minn., who has for years been a winter resident of Daytona Beach and owns, really for the benefit of the public, a great golf course there, in a letter to the MANUFACTURERS RECORD, writes:

"In connection with my golf course at Daytona Beach, and with other property I own in Florida, I have a substantial payroll each week in the year and to show further confidence in the East Coast I am now having plans prepared for a new residence to be erected very soon at Daytona Beach.

"The good work you are doing for Florida is greatly appreciated and I hope you will continue to boost the greatest winter playground in the world."

Arthur P. Cody, of Frostproof, Fla.:

"Having moved to Florida some eight years ago from Ohio, I have become very much a Florida enthusiast and from time to time I have read articles in the MANUFACTURERS RECORD and other publications from your pen.

"Florida being my state by adoption has greatly benefited through your writings and I wish to express to you my personal thanks for what you have done in the interest of this most wonderful state. Words do not express my appreciation and I hope some time to have an opportunity of shaking your hand.

"Let the good work go on. Your inspirations are extremely appreciated."

John F. Harris, 11 Wall Street, New York, in a letter to this paper, says:

"The presence of the Mediterranean fly in Florida is, of course, to be deplored. The loss this year caused by this plague will be large. It is however, very reassuring to know that drastic measures have been taken to destroy the fly and to prevent any further introductions. There is a vivid appreciation of the seriousness of the situation by State and Federal authorities and the absolute eradication of the fly is, in the opinion of those most competent to judge, a certainty in time.

"The introduction of the fly is a calamity, but a temporary one. Such conditions—expressed in various ways—all climes and all places have to face from time to time. This plague in question is serious enough, but it can be, and will be, overcome.

"There is no uninterrupted period of prosperity in any occupation or any place.

"The climate of Florida remains, as well as its soil.

"President Hoover has taken a very broadminded, sane, view of the situation. The Federal Government is not only combatting the plague, but I have no doubt that the President's recommen-

dation will be to reimburse individuals whose fruits or vegetables were destroyed for the common weal."

Allan P. Kirby, Wilkes-Barre, Pa., a winter resident of Florida, in giving his impression of that state, comments thus:

"Florida has suffered enough through hurricanes and 'dollar down' real estate speculators, mostly from the North.

"Now comes the Mediterranean fly adding insult to injury. It is a crime that this great state should be made to suffer once again for a situation absolutely beyond its control.

"A people that won't be 'licked'—can't be 'licked' and the people of Florida will carry on under this additional burden until such time as the Federal Government gives them the relief they are entitled to, or until they have, if necessary, worked out their own destiny.

"The sun is just rising in Florida and it, therefore, cannot set for a long time. Those of us from the North, who go to Florida in the winter and know the climate, the agricultural possibilities and the determination of its people, realize that in spite of adversity, there is a great future for the state industrially, commercially and agriculturally. The sun is shining actually, it soon will be figuratively. Possibly sooner than anyone realizes."

R. E. Olds, of automobile fame and counted as one of the very wealthy men of the country, has long been a resident of Daytona Beach and is now greatly enlarging his residence there. In his absence in Europe Charles E. Eckler, his secretary, writing from Lansing, Mich., tells of the work under way:

"We might add for your interest that Mr. Olds has started some remodeling work on his Daytona Beach home which will run into a considerable sum of money, and we are continuing this operation during his absence, forwarding the funds from here to take care of all payments as due."

Henry C. Rowe, Westerly, R. I., one of New England's many wealthy men, who has for years spent his winters in Daytona Beach and who is now expending about \$75,000 on a new dwelling there, in the course of an interesting letter explaining his views as to Florida and the things which have held it back, and the things which will add to its prosperity, writes as follows, the italics being his:

"I can sincerely say that the attractions and advantages of Florida are so great that the population ought to double during the next five years. It ought to double, because there are more people in the United States and British America who should spend at least a part of the year in Florida than the whole population that Florida now has. The natural attractions and advantages demand this increase in population, and it has been



prevented during the past three or four years by conditions which can be improved and reformed by the people of Florida.

"Hurricanes occur in all parts of the world. When they come to Florida it is only a temporary sensation. The fruit fly can be combatted, but even if it is a great injury to the fruit crop for a while, that need not prevent the increase of population which Florida deserves and needs. The only necessary steps are to see to it that the government, and taxation and banking management, are not such as to prevent people from enjoying the great attractions of Florida climate and country. If these things are remedied, there are at least 2,000,000 people in the United States and Canada who can afford to spend a portion of the year in that state, and half that number would cause such a degree of prosperity such as Florida has never known.

"Why has not Florida secured this prosperity? Up to the time of the 'boom' of 1924-25, the increase of population and prosperity was steady and rapid. In the 'boom,' prices of land were forced to artificial levels so as to prohibit investment. Habits of extravagance and bad financial management were fostered, so that most investors have discontinued buying land in Florida for the past four years. During the past year a few sagacious buyers have picked up bargains in land, and if the disadvantages are corrected, 20 times as many non-resident people will do so.

"Unfortunately, it has been difficult to stop the extravagance which was fostered in 'boom' times. When a man has spent more than he can afford, the remedy is for him to economize, and when counties or cities have already been extravagant, no honest man of sense will favor increasing such indebtedness by unnecessary bonds or the evasion by time warrants. It was the height of folly to so tax real estate as to make it a poor investment for northern people, because the purchase by northern people and their addition to the population of Florida is the surest and best source of prosperity for the state. In placing excessive taxes on real estate 'the goose that lays the golden eggs was killed.' It was probably the worst subject for taxation that could have been selected to tax out of existence, unless it were school buildings and churches.

"Taxation may be divided into three classes: That which injures and depresses prosperity; that which is comparatively neutral; and that which positively promotes prosperity. Oppressive taxation on real estate is probably the worst possible for Florida. If you tax real estate to make good highways, then you are placing a premium on people from the North driving over those highways, but you are at the same time preventing the same people from buying land and becoming residents. What can be more shortsighted than this?

"Take another illustration: Suppose you raise two or three million dollars by taxing the sale of cigarettes, you would harm nobody because they are a luxury, and in careless hands they result in millions of dollars loss by fires of valuable woodlands, houses, hotels, and other buildings. Moreover, careful scientific experiment has proved that tobacco is injurious to nine-tenths of the persons who use it. For instance, it has been proved that smoking one cigar impairs

the skill of a baseball pitcher eleven per cent.

"Now, if you tax real estate excessively, you prevent thousands of people from becoming residents of the state, while if you tax luxuries, you are doing good to the people, and at the same time raising income which may relieve real estate from taxation to that amount, and prevent a portion of the destruction of property by fire.

"I must not take the space here to elaborate these views, but I can express the opinion sincerely that if the principles which I have alluded to are regarded, I believe that Florida can quickly be started on a course of prosperity which will far exceed that which she enjoyed prior to the 'boom' of 1925.

"Honest, wise, and economic government and banking management, with public regard for uprightness and fairness, are essential.

"Righteousness exalteth a nation, but sin is a reproach to any people."

### \$7,500,000 IRRIGATION PROJECT

Approve Willacy County Project in Texas to Reclaim 88,000 Acres.

Raymondville, Tex.—The State Board of Water Engineers, Austin, has approved an application of the directors of the Willacy County Water Improvement District No. 1 for a permit to use the storm and flood waters of the Rio Grande River for irrigating 88,000 acres of land, the district having voted a bond issue of \$7,500,000 to finance the project. In granting the permit, the Board of Water Engineers made a requirement that there be storage of not less than one acre-foot of water for each acre to be irrigated and that there must not be less than three storage reservoirs. Canals are to be concrete-lined and not more than two acre-feet per acre irrigated are to be used in any year. A diversion canal from the Rio Grande River must not carry in excess of 4000 second-feet of water. The Trinity Farm Construction Co., Dallas, has contract for the project, work to begin within two years and to be completed within six years. The land to be reclaimed is situated 50 to 60 miles from the Rio Grande River and will be devoted chiefly to growing citrus fruits and winter vegetables, with cotton as a summer crop.

### Sells \$500,000 Bonds

Chattanooga, Tenn.—A new issue of \$500,000 city of Chattanooga 4½ per cent bonds for suburban improvements has been sold to a syndicate composed of the Harris Trust & Savings Bank of Chicago, Caldwell & Co., Nashville, Tenn., and the Hamilton National Bank, of Chattanooga. The price was 100.20.

### 15,543,000 Bale Cotton Crop Indicated

A cotton crop of 15,543,000 bales is indicated by the condition of 69.6 per cent of normal on August 1, according to the August cotton crop report of the United States Department of Agriculture. The indicated yield per acre on harvested acreage, allowing for average abandonment, is given at 159.3 pounds. The condition of 69.6 reported is 2.2 points above the average condition on August 1. Cotton production in 1928 was 14,478,000 bales, 12,955,000 bales in 1927 and 17,978,000 bales in 1926.

In interpreting condition as an indication of probable yields, allowance has been made for probable loss due to the boll weevil. For the United States as a whole present indications point to weevil losses similar to 1927, when crop correspondents reported that the average yield was reduced 18.5 per cent. During the past ten years the loss due to weevils as reported has ranged from 4.1 per cent in 1925 to 31.2 per cent in 1921, the average annual loss for the period being 15.8 per cent. Weevils are present in practically all parts of the belt, and are a real menace to the crop, but the ultimate losses due to this insect will depend largely on weather conditions during the remainder of the fruiting season.

### Five Day Week

The Building Trades Employers Association, Pittsburgh, has agreed that the trades shall work only five days a week hereafter. It is said that about 18,000 men are affected. There was no increase in the rate of wages, the trades preferring to leave that question out of consideration.

Plasterers in Indianapolis are making a demand for the five day week, it is declared, in addition to wanting their weekly pay on Friday night. Although no permanent contracts have been entered into, the plasterers, plumbers, steamfitters, electricians, cement finishers and painters are working 5 days a week since May 1. "Who is next?" asks the National Association of Building Trades Employers, Chicago.

### Annual Meeting Ornamental Iron and Bronze Manufacturers

The twenty-second annual meeting of the National Association of Ornamental Iron and Bronze Manufacturers will be held at the Jefferson Hotel, St. Louis, Mo., October 8-11. Problems of the industry will be discussed and a program of entertainment arranged. Headquarters of the association are located in Washington, D. C.

# Commercial Cotton Crop of the United States

Extracts From Report of Secretary Henry G. Hester of the  
New Orleans Cotton Exchange for Crop Year 1928-1929

By COL. HENRY G. HESTER, Secretary, New Orleans Cotton Exchange.

The commercial cotton crop of the United States for the year ending July 31, 1929, amounted to 15,785,356 bales, showing an increase over the crop of 1927-28 of 1,341,422; a decrease under the crop of 1926-27 of 3,420,573 and an increase over the crop of 1925-26 of 170,649.

The increase compared with last year was entirely in Texas and the other Gulf States, the Atlantic States showing a decrease.

The figures in round numbers are: Texas, over last year, 830,000 bales, other Gulf States, over last year, 766,000; Atlantic States, under last year, 255,000.

These comparisons, it must be remembered, refer to the commercial crop, or amount marketed, and not to growth. In other words, the growth, as indicated in table below, was 15,553,000, whereas the commercial crop was 15,785,000, or 232,000 more marketed from previous growths.

The crop was not as good as last year, averaging in grade Strict Low Middling to Middling, compared with Middling to Strict Middling.

In Texas and Oklahoma, the average was barely Middling in Louisiana, Arkansas and Mississippi slightly better than Middling, though the Memphis district which embraced handlings from most of the Gulf States reported an average of Strict Low Middling full style, while in the Carolinas, Georgia, Alabama and Virginia, the average was from Strict Low Middling to Middling.

In Texas and the Gulf States, the character of the crop was somewhat irregular, though on the whole approximating previous seasons with a greater percentage of 13/16 inch staple. In the Atlantic States, the character was reported similar to last season but staple somewhat better.

The season cannot be considered as satisfactory. The South disposed of all it produced in addition to 232,000 bales of the quantity left over from previous crops, but at lower prices. Omitting linters we marketed slightly more than 1,136,000 bales of lint cotton in excess of last season but the excess in value received was only \$5,617,000. Comment is unnecessary; the figures show for themselves. That the mills were better satisfied with prices of the raw material is indicated by the extent of their takings; but the outcome has, to say the least, made rather a poor showing for producers.

In the way of "stabilization" the sea-

son was ideal. The average monthly values of Middling in the ten designated markets show low in September, 17.72, and high in March of 19.77, a variation of 2.05 cents per pound. Even this, however, is not an exact showing as in October, when the crop commenced to move freely, the average was 18.46, a difference from the high of 1.31 cents per pound. Speculation was more or less dormant and that with the low competitive values of foreign cotton kept the market on an unfavorable footing.

Of the exports, which were in round numbers 8,280,000 bales, Germany again led with 1,950,000, a reduction from last year of 227,000; we sent to Great Britain 1,862,000, which was over last year 422,000; France took from us 800,000, which was short of last year 99,000; to Italy we exported 730,000, an increase of 34,000. Our exports to the Orient were 369,000 in excess of last year but the increase was wholly to Japan and China. In fact, to India, of which there was so much talk in and out of print, we sent only 9000 bales during the entire year.

The total value of the crop compares with the previous four years as follows:

	Bales	Values
1928-29	15,785,356	\$1,447,632,705
1927-28	14,443,934	1,440,514,259
1926-27	19,205,929	1,230,512,367
1925-26	15,614,707	1,550,811,562
1924-25	14,698,356	1,739,593,374

These values which embrace the commercial crop (of lint and linters) only, do not include the value of the seed.

Thus the value of the crop for the past year as stated was \$1,447,632,705; if the

value of the seed be added we should have a total of \$1,723,120,705. Last year, the total including seed was \$1,659,609,259 and the year before, it was \$1,440,465,367.

The average price of Middling (which was not the average of the crop) was 18.92, comparing with 19.72 last year, 12.96 the year before and 19.88 in 1925-26.

The average commercial value per bale of lint cotton was \$96.62, against \$104.29 last year, \$66.73 the year before last and \$100.92 in 1925-26.

The actual growth for the season of 1928-29 was approximately as follows:

Commercial crop of 1928-29	15,785,000
Less old cotton carried over in the interior from previous crops	1,523,000
Minus destroyed by fire and flood	16,000
	1,507,000
	14,278,000
Plus growth of this year marketed at ports in July, 1928..	37,000
Plus old cotton remaining in the interior at the close of July, 1929	1,281,000
	1,318,000
	15,596,000
Deduct July receipts at ports of new cotton of the crop of 1929-30	43,000
Actual growth 1928-29	15,553,000

In the foregoing calculations, the amount carried over in the interior of the cotton belt is dealt with, but in view of the importance of the "carry-over" as a whole, the following details are appended:

## CARRY-OVER JULY 31, VARIOUS YEARS

	1929	1928	1927
Southern mills	747,000	631,000	951,000
Counted interior towns	250,000	404,000	433,000
Uncounted towns and plantations	* 320,000	(a) 552,000	(d) 845,000
Total held in cotton belt	1,317,000	(b) 1,587,000	2,229,000
U. S. ports	† 535,000	(c) 586,000	(e) 923,000
Northern mill stocks	360,000	414,000	553,000
European mill stocks	770,000	735,000	835,000
European port stocks and afloat	1,008,000	1,393,000	2,093,000
Stocks in interior and in transit outside of the cotton belt	84,000	120,000	132,000
Japanese port and mill stocks and afloat	444,000	463,000	533,000
	4,518,000	5,298,000	7,298,000
Other foreign mill stocks elsewhere	161,000	174,000	179,000
Total carry-over	4,679,000	**5,472,000	**7,477,000
Linters carried over	284,000	220,000	286,000
Lint cotton carried over	4,395,000	**5,252,000	**7,191,000

\* Includes 36,000 bales new crop of 1929-30.

\*\*Revised.

NOTE—I have revised the carry-over by including approximate foreign mill stocks other than Europe and Japan.

† Includes 43,000 bales new crop of 1929-30.

(a) Includes 64,000 new crop of 1928-29.

(b) Adjusted by transfer of stocks additional interior towns (embracing 102 instead of 29 places) from uncounted to counted total; also by transfer of 35,000 Corpus Christi stock of July 31st, 1928 from uncounted town total to port stocks.

(c) Includes 2,000 new crop of 1928-29.

(d) Includes 106,000 new crop of 1927-28.

(e) Includes 9,000 new crop of 1927-28.



The course of value from month to month is probably best indicated by the following statement of average values per bale, viz.:

	1928-29	1927-28	1926-27	1925-26
Aug. ....	\$97.91	\$100.68	\$88.05	\$117.18
Sept. ....	92.20	111.66	79.72	116.98
Oct. ....	95.81	107.35	62.28	103.96
Nov. ....	96.95	103.99	61.27	97.42
Dec. ....	98.82	99.82	59.29	94.67
Jan. ....	97.70	96.97	63.77	99.69
Feb. ....	97.58	92.47	67.47	98.11
Mar. ....	102.38	98.55	69.00	87.90
Apr. ....	97.89	103.83	67.98	86.98
May ....	96.59	107.88	77.17	86.61
June ....	94.90	109.43	80.97	84.39
July ....	93.45	110.48	86.72	87.01

Referring to details by countries submitted elsewhere, our total exports for the year were 8,280,000 bales, against 7,830,000 last year, an increase of 450,000.

As above stated, the average grade of the crop was Strict Low Middling to Middling, and the average price obtained for the crop, exclusive of linters, based on the ten markets designated by the Secretary of Agriculture, was 18.54 cents per pound.

#### Story of American Mills

Consumption has increased in American mills but the situation has remained generally unsatisfactory. Some of the industries North and South have made a fair showing, the number of profitable plants in the South materially exceeding those in the North. To put it as stated by a leading manufacturer: "Conditions have been spotted, but on the average results have been better than last year."

It is contended that while consumption may continue on a large scale, profits will be adversely affected as long as many mills, especially in the North, which have been making fine dress goods, whose business has been replaced by silk, artificial silk, etc., are fighting for existence.

The new uses for cotton which have been brought about by the development of the automobile tires, tops, etc., are coarse goods and a larger poundage can be produced on much less spindleage than formerly required on the finer description of goods.

#### NORTHERN MILL TAKINGS AND CONSUMPTION AMERICAN COTTON (Including Linters)

	Year Ending July 31 1929	1928
Stocks July 31.....	414,000	553,000
Takings year .....	*1,976,000	*1,840,000
Consumption year ..	2,390,000	2,393,000
Stocks close year....	360,000	414,000

\* Exclusive of foreign cotton and inclusive of California.

#### SOUTHERN MILL TAKINGS AND CONSUMPTION AMERICAN COTTON (Including Linters)

	Year Ending July 31 1929	1928
Stocks at beginning year .....	631,000	951,000
Takings for year....	*5,739,000	*4,996,000
Consumption year ..	6,370,000	5,947,000
Stocks close year....	747,000	631,000

\* Exclusive of foreign cotton and California consumption.

#### COMMERCIAL CROP BY STATES

	1928-29	1927-28	1926-27
Alabama ..	1,169,000	1,280,000	1,523,000
Arkansas ..	1,336,000	1,213,000	1,803,000
Florida ...	23,000	21,000	35,000
Georgia ...	1,185,000	1,270,000	1,615,000
Louisiana ..	727,000	595,000	843,000
Oklahoma ..	1,309,000	1,119,000	1,846,000
Mississippi ..	1,606,000	1,551,000	1,971,000
N. C., etc.*	999,000	1,023,000	1,407,000
S. C. ....	819,000	856,000	1,093,000
Tenn., etc.†	1,089,000	823,000	1,172,000
Texas ....	5,523,000	4,693,000	5,898,000
Total crop.	15,785,000	14,444,000	19,206,000

\* Includes Virginia and Kentucky.  
† Includes Missouri, California, Arizona, New Mexico, etc.

#### World's Consumption of American Cotton

The world consumption of American cotton was 463,000 bales more than last

#### LINTER CONSUMPTION

	This year	Last year
North .....	530,000	485,000
South .....	337,000	265,000
Total United States...	867,000	750,000
Foreign .....	186,000	192,000
Total Domestic and Foreign .....	1,053,000	942,000

#### DOMESTIC CONSUMPTION OF ALL KINDS.

	Lint Bales	Linters Bales	Foreign Bales	Total All kinds Bales
North * .....	1,500,000	530,000	235,000	2,265,000
South .....	5,286,000	337,000	72,000	5,695,000
Total North and South.....	6,786,000	867,000	307,000	7,960,000
Total North and South last year.....	6,545,000	750,000	296,000	7,591,000

\* Includes Pacific Coast and other Western States.  
† In 500-pound bales.

#### AMERICAN COTTON CROP FOR FOUR YEARS

	1928-29	1927-28	1926-27	1925-26
Port receipts .....	9,557,256	8,556,783	12,902,055	10,037,603
Overland to Mills .....	1,551,998	1,202,932	1,628,931	1,517,750
Southern Consumption .....	5,623,265	5,316,168	5,471,391	4,778,926
Less taken by Southern Mills from ports....	947,163	631,949	796,448	719,572
Total crops .....	15,785,356	14,443,934	19,205,929	15,614,707
EXPORTS				
Great Britain .....	1,862,345	1,439,771	2,582,638	2,285,585
France .....	800,339	809,302	1,021,562	916,412
*Continent and Channel .....	5,340,012	5,256,107	7,366,051	4,805,970
Canada, (a) .....	277,031	235,228	273,276	244,196
TOTAL EXPORTS .....	8,279,727	7,830,408	11,243,527	8,252,163
Stocks close of year.....	534,810	586,718	923,420	688,061
Northern mill takings .....	1,975,706	1,843,130	2,457,436	2,260,914
Average gross weight of crop per bale—pounds..	521.21	516.73	514.96	512.14

\* Including to Mexico, Japan and China, details of which are given in Export Table.  
(a) Net.

#### EXPORTS

	Great Britain Bales	France Bales	Continent and Channel *Bales	TOTAL Bales	Total 1927-28 Bales
Port					
New Orleans .....	411,693	98,459	831,810	1,341,962	1,396,009
Galveston .....	394,242	319,222	1,856,565	2,570,029	2,247,457
Mobile .....	89,023	2,159	116,115	207,297	223,064
Pensacola .....	7,588	.....	7,461	15,049	12,868
Savannah .....	165,783	75	137,957	303,815	643,731
Charleston .....	62,142	802	85,239	148,183	261,515
Wilmington .....	38,800	.....	67,392	106,192	110,392
Norfolk .....	82,625	1,238	50,326	134,189	172,001
Baltimore .....	.....	5,214	1,163	6,377	2,550
New York .....	29,196	3,549	88,132	120,877	203,529
Boston .....	3,035	.....	6,009	9,044	10,104
Philadelphia .....	82	.....	201	283	1,451
Newport News .....	127	.....	2	129	265
Brunswick .....	.....	.....	.....	.....	.....
Houston .....	406,657	295,045	1,597,811	2,299,513	1,968,969
San Francisco .....	10,524	250	25,358	36,132	4,772
Los Angeles .....	75,568	14,824	150,141	240,533	106,618
Puget Sound .....	.....	.....	23,684	23,684	4,593
Corpus Christi .....	47,273	45,004	211,310	303,587	168,154
Other points .....	37,987	14,498	83,336	135,821	57,138
Totals .....	1,862,345	800,339	5,340,012	8,002,696	7,595,180
Last year .....	1,439,771	899,302	5,256,107	7,595,180	.....
Year before .....	2,582,638	1,021,562	7,366,051	10,970,251	.....

\* Included under Continent are exports to Mexico, Japan, China, East India, which are to Mexico this year; 24,587 from New Orleans; 825 from New York; 9,226 from Laredo, El Paso, Eagle Pass, etc.; a total of 34,638 against 17,780 last year, and 18,147 year before last; to Japan and China 1,517,782 from San Francisco, Portland and other ports, against 1,088,384 last year, and 1,246,261 year before last.

year and 1,059,000 less than year before last.

Mr. Frederick W. Tattersall, of Manchester, cables me his estimate of European mill stocks of American cotton July 31 as follows:

Great Britain .....	80,000
Continent .....	690,000

Total Europe .....

During the year (less amount re-exported) cotton imports amounted to an equivalent of 439,000 five-hundred pound bales, against 314,000 last year, and 371,000 the year before. These figures are for period from August 1 to July 31 embracing the entire commercial year.

#### CONSUMPTION AMERICAN COTTON BY GEOGRAPHICAL DIVISIONS

	1928-29	1927-28
United States—North .....	2,030,000	1,982,000
United States—South .....	5,623,000	5,316,000
Foreign .....	8,656,000	8,548,000
Total American for year .....	16,309,000	15,846,000

## WORLD'S VISIBLE AND INVISIBLE SUPPLY AMERICAN COTTON

	July 31	
	1929	1928
Mill stocks in U. S...	360,000	414,000
Mill stocks in Europe	770,000	735,000
	1,130,000	1,149,000
Japanese port and mill stocks	444,000	463,000
Other foreign mill stocks	161,000	174,000
	1,735,000	1,786,000
Visible supply American	1,793,000	2,383,000
Total visible and invisible supply close July, including Japan and other foreign stocks	3,528,000	4,169,000

## WORLD'S CONSUMPTION AMERICAN COTTON

	Year Ending July 31	
	1928-29	1927-28
Visible and invisible beginning year...	3,706,000 (a)	5,016,000
Japan stocks and transit	463,000	533,000
Visible and invisible including Japan	4,169,000 (a)	5,549,000
In sight year *....	15,668,000	14,466,000
Visible and invisible close year, including Japan stocks	3,528,000	4,169,000
Burnt at ports....	16,309,000	15,846,000
World's consumption American cotton	16,309,000	15,846,000
Lint cotton consumed	15,256,000	14,904,000
Linters consumed..	1,053,000	942,000
	16,309,000	15,846,000

\* Includes 36,000 decrease in transit and 43,000 new at ports.

(a) Adjusted as per note appended in carry-over statement elsewhere.

## Cotton Consumption in the South

In face of the largest cotton consumption in the South's history, the year has not been altogether prosperous for the Southern manufacturing industry. Some of the mills made a fair showing, others did little better than pay expenses. As stated, the condition has been spotted but on the average the results have been better than last year. The increase in consumption has in part been due to making coarser goods with a consequent larger poundage per spindle. The range of values for the raw material has also been a favorable contributing factor. For the third year, consumption has been above the five million bale mark, including linters.

## CONSUMPTION SOUTHERN MILLS

	July 31		
	1929	1928	1927
Lint cotton	5,286,000	5,051,000	5,205,000
Linters ...	337,000	265,000	266,000
Total .....	5,623,000	5,316,000	5,471,000

The takings of American cotton by Southern mills for the year were in round figures 5,739,000 bales, compared with 4,906,000 last year, an increase of 734,000, while consumption (exclusive of foreign cotton) totaled 5,623,000 against 5,316,000 last year, and 5,471,000 the year before, an increase of 307,000 bales over last year and of 152,000 over the year before last.

## SOUTHERN CONSUMPTION OF AMERICAN COTTON

States	No. Mills*	Looms†	Spindles‡	Bales	
				1929	1928
Alabama	98	32,795	1,780,930	632,445	561,620
Arkansas	4	603	59,432	22,395	17,190
Georgia	164	58,070	3,017,489	1,255,672	1,170,596
Kentucky	5	1,376	85,852	34,902	39,531
Louisiana	4	2,429	95,594	44,435	51,734
Mississippi	15	4,256	152,120	44,142	45,184
Missouri	...	...	...	35,152	43,189
North Carolina	418	83,643	6,034,599	1,608,036	1,591,685
South Carolina	206	132,143	5,569,745	1,294,138	1,227,617
Tennessee	28	8,600	623,620	273,758	205,484
Texas	27	5,663	259,542	151,349	152,689
Oklahoma	2	558	30,912	16,303	12,744
Virginia, etc.	9	18,998	679,060	210,538	196,905
Totals	980	349,134	(a) 18,388,895	5,623,265	5,316,168
Less consumed and taken from Southern seaports and included in port receipts				947,163	631,949
Net consumption to be added to crop				4,676,102	4,684,219

\* Mills in operation only. For total in South see other table.

† Employed in mills in operation. For total looms and spindles in South see other table.

(a) Spindles working American cotton only.

## COURSE OF CONSUMPTION IN THE SOUTH (BALES)

	Consumption	Increase	Decrease
1914-15	3,163,388	100,102	.....
1915-16	4,046,555	883,167	.....
1916-17	4,357,685	311,130	.....
1917-18	4,303,743	.....	53,942
1918-19	3,533,777	.....	769,966
1919-20	3,691,005	157,228	.....
1920-21	3,096,504	.....	594,501
1921-22	3,942,416	845,912	.....
1922-23	4,487,535	545,119	.....
1923-24	3,985,328	.....	502,207
1924-25	4,380,118	394,790	.....
1925-26	4,778,926	398,808	.....
1926-27	5,471,391	692,465	.....
1927-28	5,316,168	.....	155,223
1928-29	5,623,265	307,097	.....

## SOUTHERN COTTON MILLS IN 1928-29

	Total	In Operation	Idle	Uncom- pleted
		Old	New	
Alabama	103	96	2	3
Arkansas	7	4	.....	1
Georgia	173	164	.....	7
Kentucky	5	5	.....	.....
Louisiana	5	4	.....	1
Mississippi	18	15	.....	2
Missouri	.....	.....	.....	.....
North Carolina	431	417	1	12
South Carolina	208	206	.....	2
Tennessee	31	27	1	3
Texas	33	27	.....	3
Oklahoma	2	2	.....	.....
Virginia	14	9	.....	5
Total	1030	976	4	40
Last year	1035	981	3	32
Year before	1031	988	6	27

\* Including mills commenced this year and those last year not yet completed.

## LOOMS IN SOUTHERN COTTON MILLS

	Active	Idle	Uncomplete	Total
Alabama	32,795	200	1,200	34,195
Arkansas	603	100	.....	703
Georgia	58,070	492	134	58,696
Kentucky	1,376	.....	.....	1,376
Louisiana	2,429	36	.....	2,465
Mississippi	4,256	728	.....	4,984
Missouri	.....	.....	.....	.....
North Carolina	83,643	747	777	85,167
South Carolina	132,143	.....	512	132,655
Tennessee	8,600	.....	400	9,000
Texas	5,663	773	600	7,036
Oklahoma	558	.....	.....	558
Virginia	18,998	336	.....	19,334
Total	349,134	3,412	3,623	356,169
Last year	340,451	2,212	7,966	350,629
Year before	324,742	3,303	5,756	333,801

## COTTON SPINDLES IN OPERATION IN THE SOUTH

	Total	††Old	New	Idle	Uncom- pleted†
Alabama	1,854,797	1,750,930	30,000	11,747	62,120
Arkansas	60,182	59,432	.....	.....	750
Georgia	3,110,313	3,017,489	.....	.....	62,144
Kentucky	85,852	85,852	.....	.....	.....
Louisiana	100,594	95,594	.....	5,000	.....
Mississippi	197,896	152,120	.....	25,776	20,000
Missouri	.....	.....	.....	.....	.....
North Carolina	6,136,031	6,022,199	12,400	82,432	19,000
South Carolina	5,619,911	5,569,745	.....	6,826	43,340
Tennessee	640,232	606,620	17,000	6,612	10,000
Texas	318,110	259,542	.....	33,568	25,000
Oklahoma	30,912	30,912	.....	.....	.....
Virginia	714,416	679,060	.....	35,356	.....
(a)	18,869,246	18,329,495	59,400	237,997	242,354
Last year	18,552,727	18,118,233	11,732	166,072	256,690
Year before	18,260,775	17,736,531	55,454	160,712	308,078

† Includes spindles being added to old mills as well as those in new concerns.

†† Including spindles added to old mills less spindles thrown out during the year and new not completed mills of last year which started operations this season.

(a) Exclusive of 150,728 spindles using foreign cotton, say, 570 in Alabama, 42,183 in Georgia, 101,042 in North Carolina, 6,933 in South Carolina.



# Aggressive Opposition to the Tariff

Wild Statements of Congressman Williams of Texas; Soft Drink Manufacturers Renew Tactics of 1897; International Tariff Commission Proposed by Dr. Page; Shipping Tariff Joker in the Hawley Bill

By WILBUR F. WAKEMAN, Former U. S. Appraiser of Merchandise, District of New York.

Number 22.

WHAT is being said and done against the tariff at this time, while revision is progressing in the Senate, would require the entire space of every issue of the MANUFACTURERS RECORD from cover to cover to tell. Distortion of facts and fallacious statement of effect of protection show their heads in every direction. There is no reason why the pros and cons of the tariff question should not be handled with simple honesty, but the enemies of protection resort to methods unworthy of anyone possessing intelligence and information.

Publicity seems free and generous to anyone who can frame a paragraph of attack on a protective tariff, even though the revision of the 1929 bill has not been passed upon by the Senate Finance Committee or the Senate itself or the conference committee of the Congress, or adopted by the House of Representatives and the Senate.

Illustrative, take the statement of Representative Williams of Texas, which emanated from the Democratic National Committee on July 29 and was generally published in part as follows:

"The hand of tariff extortion is laid heavily on consumers. It is proposed to place a duty of 2 cents on every 10 cent bottle of ink; 35 cents on every dollar's worth of castor oil; 40 cents to 70 cents on every dollar's worth of paint; 7 cents on every pound of starch; etc."

Mr. Williams continues with a medley of different articles, but the above mentioned will show his intention, and his ignorance of the effect of the tariff. Take the bottle of ink; he applies the 20 per cent duty on foreign ink to the 10-cent bottle at retail and finds a 2-cent tax when in fact, based upon the import value, the alleged tariff tax would amount to less than half a cent. Moreover, he says nothing of the fact that American inks are the cheapest in the world, and the industry of manufacturing is successful in 28 establishments with an output of over \$10,000,000 a year. This has been accomplished under previous and the prevailing tariffs, with direct benefit to the consumer and American industry.

Then about starch; Congressman Williams' brain tissues may need it—from his deductions. Potato starch is generally used in the laundry, and the existing rate of duty is 1¾ cents a pound,

and the proposed duty is 2½ cents a pound. Mr. Williams places the consumer's tax at 7 cents a pound when the retail price is 10 cents a pound; where does he get it from a duty of 2½ cents? The existing duty of 1¾ cents is inadequate, as proven by great importations and the duty free imports of cassava, tapioca, sago and arrow-root have been destructive of the American starch industry. Confining ourselves to potato starch, the official reports of American production in 1920 and 1924 were negligible, but consider two recent years, 1925 and 1927.

Domestic production, 1925, 10,127,556 pounds; 1927, 7,078,425 pounds. Imports for consumption, 1925, 10,714,747 pounds; 1927, 27,272,048 pounds.

Including competitive starches we import approximately 200,000,000 pounds annually, which would require approximately 12,000,000 bushels of potatoes. The potato farmer's life is that of feast or famine. He certainly would welcome an increased consumption of 12,000,000 bushels, now supplied by foreigners through a low tariff on starch. It is needless to go further with Representative Williams' attack. If he knew the facts and misrepresented them he should be kept at home, and if he is ignorant of the facts and the effect of a protective tariff he should be returned to private life in 1930.

## Ginger Ale and Pop

The soft drink and bottling people made a determined fight against the duty on sugar before the Ways and Means Committee which was within their rights, but now what follows? In order to arouse opposition to the proposed law among dealers throughout the country, they have put out anticipatory price lists of the increase, when the tariff of 1929 shall go into effect, of one dollar a case. The bottlers do use some sugar and perhaps their connection with the refiners of Cuban sugar facilitated their attack. Their present threats to increase prices is simply a campaign against our American system of protection. The same kind of a campaign was made by the boot and shoe men in opposition to the tariff of 1897, when they threatened to raise prices on account of the duty on hides. It would be just reprisal to place all ginger ales and pops

on the free list for a time, but this industry is an American unit which will be taken care of by a protection Congress, on account of American labor in the industry and in spite of what employers' attitude may be.

## International Tariff Commission

Now comes the Williamstown Institute round table discussion, considering the establishment of an international tariff commission under the jurisdiction of the World Court, by Dr. Thomas W. Page, former chairman of the U. S. Tariff Commission under the administration of President Wilson. Dr. Page is quoted as saying, in part:

"The purpose of such a commission would be to establish findings as to what is fair and equitable between different nations and their industries and peoples and render opinions about which world opinions could crystallize."

Extremely utopian, but many theorists like Dr. Page will say, Why not? This is another plan to distract attention from practical legislation under consideration, but the important point in Dr. Page's "conversation" is the admission (generally denied) that foreign products are often controlled either as to output or prices, or both. Quoting the New York Evening Post of August 2:

"Citing illustrations of Government control, which have restricted trade in raw materials, Dr. Page mentioned the Chilean control of sodium nitrate, Japan's camphor monopoly, the Franco-German potash combine and Brazilian control of coffee as outstanding examples."

This seems to prove that we should have a protective tariff on all competitive raw materials, and stringent retaliatory provisions of law against the products of nations which are controlled by cartel or otherwise, at the expense of the American consumer.

## Shipping Tariff Joker

Tariff jokers have found their way into the law in the past, but seldom has this occurred when they have been discovered and pointed out to lawmakers in advance of adoption. Section 466 of the Hawley bill provides, very properly, for a duty of 50 per cent on the equipments, repairs, etc., of American vessels in foreign ports, and proceeds with exceptions and conditions under which

remission or refunds of duties may be secured as follows:

"If the owner or master of such vessel furnishes good and sufficient evidence—that such equipment or parts thereof or repair parts or materials were purchased, or that such expenses of repairs were incurred, in a foreign country, in order to maintain such vessel in a seaworthy condition, or to repair damages suffered or to replace equipment damaged or worn out during the voyage, or to maintain such vessel in a sanitary and proper condition for the carriage of cargo or passengers."

This seems quite innocent but in effect is equivalent to the remission of duty on all repairs performed on or equipments purchased for American ships in foreign ports. The "good and sufficient evidence" demanded of the owner or master reminds one of the "foreign valuation" of imported foreign merchandise when the government collects a little something on the imported article; but in the case of the American ship repaired abroad, the owner or master "swears off" all the taxes due. How easy it would be for the master to decide that many things must be done "to maintain such vessel in a seaworthy condition" or in a "sanitary and proper condition for the carriage of cargo or passengers"; how easy it would be for the master to tie up his vessel at the end of the voyage for repairs and overhauling and be exempt from American duty! Better it would be to omit the entire subject of "Equipment and Repair of Vessels," abroad, than write an adequate tariff and then abrogate it by the effect of exceptions.

The provisions of the existing law are the only protection enjoyed by domestic shipyards against the competition of foreign shipyards to repair and provide equipment for vessels documented under the laws of the United States. It is well known that a large part of the regular employment of our shipyards is in repairs and equipment of returned oversea American vessels, and the exception quoted would send a large portion of this work to foreign ports, where the cost of repairs, etc., is very low in comparison with our own country.

It seems inconceivable that the owners or operators of American ships, who have recently been favored beyond many other American industries by the Merchant Marine Acts, are responsible for this shipping tariff joker, which would ruin many shipyards and seriously affect others. This is another illustration of the failure of American industries to stand together upon the tariff issue. The shipyard is a necessary unit of American shipping, and those who would destroy it "will turn and bite the hand that feeds them," for American ships will not be permanently successful without the American builder.

Is it possible that this shipping tariff

joker has escaped the attention of the U. S. Shipping Board? Certainly it could not have their approval before the Ways and Means Committee. However, considering the Shipping Board's survey and "conversation" on free ports, as pre-

sented in the recent volume entitled, "Foreign Trade Zones or Free Ports," possibly the board wishes the effects of protection in advancing American shipping, and free trade when American ships buy anything in foreign ports.

## Growth of the Texas Citrus Fruit Growers Exchange

By JOHN H. SHARY, President, Mission, Texas.

Membership in the Texas Citrus Fruit Growers Exchange represents something like 800 growers of the Rio Grande Valley. We are now on the verge of our seventh year, successfully operating and increasing every year not only our membership but our tonnage, and this coming year our tonnage will increase likely four times as much as last year.

Last year we built an additional packing plant at San Benito, an investment of about \$75,000. We are building one right now at LaFeria, one of the most modern and largest plants in the valley, costing about the same amount, and we recently purchased the Val Verde properties, which originally cost \$85,000 to \$100,000.

Briefly, our organization has aided the growers in the following manner:

Financed the most modern packing plants in the Rio Grande Valley. Will have this coming season six plants in operation. All the financing costs the growers is the dividend on the stock, which has averaged about 7 per cent interest annually for the stockholders. Every grower is solicited to take stock, but growers who cannot afford to take stock are not barred from the benefits of the exchange; membership is given them without any charge, so as to eliminate the highbinders who cut into these organizations usually and fleece the farmers in high salaries and various other afflictions. The exchange created a packing department with guaranteed maximum charge for packing the fruit through their plants and every year, excepting the year of the freeze, has declared a rebate on their packing charge to the growers.

As is shown in our annual statement, we again rebated them 5c and our guaranteed maximum charge next year is 80c which includes the 7 per cent dividend to the stockholders. The selling department, out of which is paid all salaries and all charges incurred in the sales department has a fixed charge: The first three years it was 25c a box; the last two years it was reduced to 20c a box and it will be 20c a box next year.

This department made money last year, but instead of giving it to the stockholders in a dividend, we set aside \$7500 to two funds—\$2500 to our next year's advertising fund, and \$5000 to a special fund to take care of unexpected losses, to the benefit of the growers. No stockholder at the annual meeting even offered an indication that he would rather have a dividend check for this \$7500. Therefore, only an 8 per cent dividend was declared, not in cash, but in stock, so the money can be used to build more packing plants and further the cause of the organization work.

### Business Prospects Good on Frisco Lines—48 New Industries Established in July

General business conditions in Frisco territory, covering nine states, justify a highly encouraging outlook for the rest of the year, according to a report issued by the St. Louis-San Francisco Railway Co., St. Louis. Packing house, dairy and poultry products, iron and steel articles, manufacturers of cast iron pipe, oil and gas development, and the mining industry report satisfactory conditions in their respective fields. Industrial development continues to lead last year. During July 48 new industries were located on Frisco Lines, making a total of 250 for the first seven months of 1929, compared with 199 for the same period in 1928.

### \$1,750,000 Church for Washington

Washington, D. C.—General contract has been awarded, it is said, to the George A. Fuller Co., New York and Washington, for erecting the proposed \$1,750,000 National Church and Sunday School building here for the Disciples of Christ. Rev. E. Wilfley, Washington, is interested in the enterprise, which involves the erection of a stone structure at Fourteenth street and Thomas Circle. John Russell Pope, New York, is the architect.



# Is the Independent Retailer Becoming Extinct?\*

## Present Position and Future Prospects of the Small Independent Retail Store Operator One of Most Vital Questions Before the Country

THE agonized outcries of retail merchants, or rather a certain portion of them, are resounding through the land. Business consultants point out that there is indeed a disquieting measure of cause for concern. For example, a recent survey of the "life expectancy"—if any—of independent retailers in a large Eastern city showed that for every 100 grocery stores of this type doing business in 1919, but eight have survived the tribulations of the intervening years. The independent druggists, so-called, seemed to be of a hardier type, for the drug store survivors, after a decade of stormy trials, number a hardy but battered band of some 30 out of the original 100 of 1919.

These and many similar records of decimating mortality at once raise the question as to the causes thereof. At once the chorus of "specialists" arises to present an immediate diagnosis. The ailing retailer, they assert, is being be-deviled by a veritable phalanx of fire-breathing dragons, assailing him on every hand—chain-stores, mail order houses and their novel retail branches, house-to-house soliciting, and other commercial monsters similarly dire. Now it is true that many an unsuccessful retailer attributes his woes mostly to these ogres of competition. A recent survey by a nationally known commercial credit-rating firm shows that competition accounted for only 3.6 per cent of business failures in 1928. But nearly one-third of the total—31.4 per cent, to be exact—are charged up under the heading of "Incompetence." This tabulation covers all phases of business, and possibly the retailer is somewhat out of line from the general average in certain special respects, but even with liberal allowances for that divergence, he must take his share of the responsibility involved in these arresting figures.

That word "incompetence" is more or less repellant, but one fears that it all too frequently represents an unpleasant truth. Fortunately, in many cases, this is a condition which will yield to treatment. Knowledge is the sovereign specific.

Lack of capital, we learn, is respon-

sible for 35 per cent of American business failures, constituting the largest single factor therein, rather an ironic commentary upon the supposed opulence of this "domineering stronghold of the world's credit," as some of our foreign critics put it. As a matter of fact, I suspect that this embarrassment of capital shortage arises very often from shortsighted "starting in on a shoe string," "trusting to luck that the 'breaks' may come."

Again and again studies of the reasons for the success of individual business enterprises have proved that thorough examinations of all available data as to the actual costs of doing business, item by item, and as to the specific sources of profits, develop the most potent weapons against commercial weakness. A mastery of all the facts on any given retailing problem generates self-reliance, stimulates true competence, and competence is the most effective offensive in combating competition.

The present position and future prospects of the retailer, particularly the small independent operator, is unquestionably one of the most vital questions now before this country. It is fraught with momentous issues, with great possibilities of broad social improvement, and on the other hand with stark alternatives of possible misfortune for many thousands of our citizens.

If the independent retailer faces certain undeniable handicaps, he possesses, also, a number of highly important advantages. As contrasted with the units in larger organizations, he enjoys greater freedom of action. He is not restricted by unvarying systems. He is at liberty to adjust his methods and his stock to the peculiar tastes, moods and predilections of his clientele. He has a broad leeway for the qualities of flexibility and adaptability in the conduct of his business.

This freedom is a challenge to his resourcefulness, a stimulus to his merchandising ingenuity. He is able to devise original methods that will appeal especially to his customers. This possibility of rendering a pleasingly individual service is, perhaps, the greatest asset of the independent retailer today.

He is, as a rule, an integral part of his community or neighborhood. He knows his patrons not only as customers but as people, is familiar with their circumstances, their likes and dislikes, their well-grounded preferences and

their capricious whims. In his store, therefore, he greets them in a spirit of old-established friendliness. So he has that intangible but invaluable quality that we may call "the personal touch." There is a psychological asset here that every independent retailer should realize and justly prize.

The vast majority of independent American business men, possessing a reasonable margin of capital, with native ability and with willingness to work, to utilize new methods, and to take advantage of new conditions, have as great an opportunity for success today as ever in the past; in fact, a greater opportunity, because of the steady advance in our living standards and our buying power.

What does the independent retailer need to do in order to attain success? Before all else, he needs, I think, to take a leaf from the book of his formidable competitors, that leaf on which the word "Efficiency" is written. He needs to introduce (or reinforce) business practices of the most rigorous economy, based on principles of modern scientific management. Innumerable retail stores are already so managed, being correspondingly successful.

To proceed efficiently, the independent retailer needs above all else dependable facts as to his particular trade problem. There is certainly no lack of statistical and factual services, and of eager prophets and seers (often of a self-appointed, self-annointed variety) ready to furnish the inquiring retailer with facts or near-facts. Some of these are fairly good and genuine and others suspiciously synthetic. The retailer's main difficulty then seems to be to choose those that are really trustworthy and useful to him. In this important task, he would do well to consult the facilities of the Department of Commerce, particularly its tabulation of the functions of some 600 business researching agencies. These are scattered throughout the land and cover every conceivable type of trade.

If he is to survive, the retailer must marshal every possible item of experience and information bearing upon his particular situation. And that situation is one of profound concern to the entire nation. As President Hoover expressed it, when he was Secretary of Commerce, "the foundation of American business is the independent business man. \* \* \* We must maintain his opportunity and his individual service."

\*Extracts from an address by Dr. Julius Klein, Assistant Secretary of Commerce, before the Chicago Association of Commerce, August 6, 1929.

## \$3,500,000 Construction Program in Texarkana

**Major Projects Include \$1,700,000 Union Station and \$400,000 Hotel—Toll Bridge to Cross Red River**

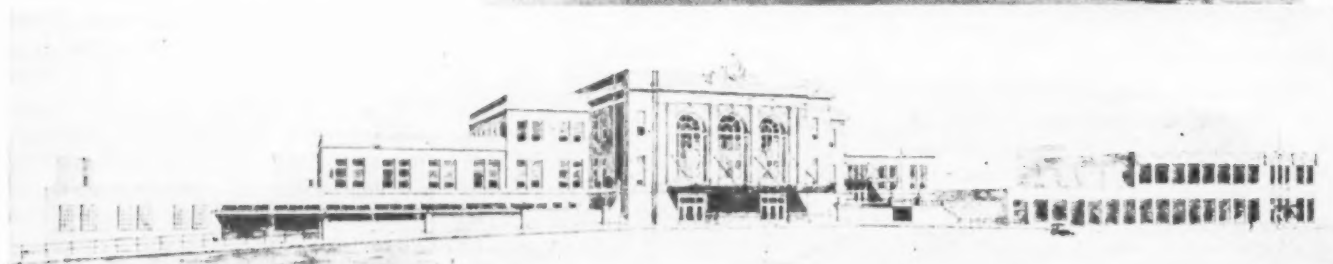
With a construction program already under way involving an estimated expenditure of \$3,500,000, the city of Texarkana, Ark.-Tex., anticipates announcement of other projects which will bring the total investment to \$5,000,000. Improvements, under way or projected, include private, municipal and State projects, embracing toll bridges on Red River regarded as of special benefit to Texarkana.

Leading the list of construction projects is the new Union Station and railway mail terminal being erected by the Missouri-Pacific, Cotton Belt, Texas and

Pacific and the Kansas City Southern railways. The mail terminal unit has been completed and put in use and is considered one of the most modern and efficiently equipped structures of its kind in the country. General contract for the Union Station unit is being handled by the Stewart-McGehee Construction Co., Little Rock; E. M. Tucker is architect, E. A. Hadley, chief engineer, and A. S. Butterworth, resident engineer, all of the Missouri-Pacific Railroad Co., St. Louis. The Hensley Electric Co., Fort Worth, is electrical contractor for the station unit, while the Texarkana Electric Co.

handled similar work for the mail terminal. The Robertson Plumbing Co., Pine Bluff, has contract for plumbing work.

Construction recently initiated in Texarkana includes the Collins Home for Women to cost \$85,000; Southwestern Transportation Co.'s (Cotton Belt) motor coach shops, \$100,000; Ghio Hotel, \$75,000, and the Downtown Storage Co.'s building, \$100,000. Construction is nearing completion on a \$300,000 municipal auditorium, to be opened in October; plans and specifications were prepared by Witt, Seibert & Halsey, Texarkana,



Top Left—\$400,000 Hotel McCartney to Be Erected. Top Right—Progress View of New Union Station. Left Center—\$750,000 Concrete Bridge Under Construction Across Red River at Fulton, Ark., Near Texarkana. Right Center—Progress of Texarkana's \$300,000 Municipal Auditorium. Bottom—Sketch of \$1,700,000 Union Station and Railway Mail Terminal Building as They Will Appear When Completed



general contract being handled by the Stewart-McGehee Construction Co. The Texarkana Electrical Co. has contract for electrical work and the Shore Plumbing Co. of Little Rock and Texarkana, contract for plumbing.

The new \$750,000 concrete and steel Fulton bridge is being built across the Red River about 19 miles northeast of Texarkana, and a contract has been awarded by the State Highway Commission for a 15-mile concrete highway in Miller County approaching it. Contract for the Garland bridge across Red River to the east of Texarkana is expected to be awarded soon, preliminary estimates placing the cost of this structure at \$500,000. A municipal air port, financed by a bond issue, is nearing completion and petitions are being circulated with a view to calling an election on a \$500,000 paving program which will provide pavements for all important gaps in the city street system. Progress is being made in formation of a reclamation project to be known as the Nix Creek Drainage District, the cost estimated at \$135,000, while the city is making plans for improvements to include a \$50,000 municipal building annex, \$50,000 park expansion program, \$40,000 city market and further paving improvements to cost \$100,000, the last item being contingent on the annexation of new territory.

Contract is expected to be awarded in August for erection of a \$400,000 hotel for W. A. McCartney, for which plans and specifications are being prepared by Joseph Finger, Houston. The structure will be 10 stories, 100 by 57 feet, of reinforced concrete, brick and steel, to contain 125 guest rooms. It will be of Spanish architecture with a mezzanine for club rooms, dining rooms and hotel offices, with a number of stores occupying the ground floor. A one-story structure to adjoin the hotel will be devoted to a bus terminal and waiting rooms. Plans have also been announced for the construction of a \$750,000 fertilizer factory for the International Agricultural Corp., New York, which operates a number of Southern fertilizer plants and is said to own the largest rock mines in the world in Florida and Tennessee.

### **\$500,000 Historical Building Planned**

Oklahoma City, Okla.—The Holmboe Construction Co., Oklahoma City, was awarded contract at \$412,200, for constructing a \$500,000 historical-memorial building here for the State Board of Affairs, the structure to be located on the capitol grounds. Fisher & Son, Norman, Okla., were awarded contract, at \$38,527 for heating, plumbing and ven-

tilating. Layton, Hicks & Forsyth are the architects and Edward P. Boyd, supervising architect, both of Oklahoma City.

### **West Virginia's Attractions**

Under the caption of "West Virginia—America's New Vacation Land" the state of West Virginia, W. G. Conley, governor, through its Department of Agriculture, John W. Smith, commissioner, Charleston, W. Va., has published and is distributing a booklet showing some of the State's unusual and beautiful scenes.

### **Builders' and Manufacturers' Exhibit for Dallas**

Dallas, Tex.—W. W. MacGruder, of Hansen-MacGruder, Inc., recently organized here for the purpose of establishing a permanent exhibit of building materials, equipment and manufacturers' products for all classes of buildings, is sponsoring the Dallas Builders' and Manufacturers' Exhibits, to be housed in a building to be built especially for it. Plans for the structure are being prepared by H. B. Thompson, Dallas architect. The structure will be of Mission type, thoroughly ventilated and adequately lighted by the use of skylights. Many exhibits will be built into it, such as windows, doors and ventilators. Mr. MacGruder, who has spent much time in New York, Chicago and other important cities studying different exhibits, expects to introduce many novel features in the Dallas exhibits.

### **\$3,000,000 Resort Development**

Cumberland Gap, Tenn.—Plans for developing a summer resort and playground here at a cost of \$3,000,000 are being made by the Skyland Highway Development Company, promoted by Judge J. L. Manning, Middlesboro, Ky.; Judge Charles J. Dawson, J. C. Donahoe and Matt Chilton, all of Louisville, Ky. A highway has been constructed to the top of Cumberland Mountain, from which a view may be had of Virginia, Tennessee and Kentucky. It is understood that a 90-room hotel will be erected on a site near the point of meeting of the three states and that an aerial tramway will be operated across Cumberland Gap, suspended on cables 800 feet above the road. The tram car will accommodate 20 people and the ride will be approximately 4000 feet from one mountain peak to the other. Other facilities will include a dance hall, picnic grounds and other features.

### **Pledges Support of Plan for 9-Foot Waterway From Columbus, Ga., to Gulf**

[Telegram to Manufacturers Record.]

Panama City, Fla., August 8. Cooperation of the Mississippi Valley Association in the completion of the proposed 9-foot inland waterway from New Orleans to Columbus was today pledged to the Chattahoochee Valley and Gulf Association by John A. Fox, St. Louis, Mo., field representative of the Mississippi Valley waterway body.

Mr. Fox characterized the canalization of the Chattahoochee as one of his organization's major projects. He stressed the fact that 63 per cent of the representatives in Congress and 54 per cent of the United States Senators are from territory embraced within the activities of the Mississippi Valley. Support in Congress, he said, must be secured from representatives of sections other than that directly affected by the project. He urged that the Chattahoochee Valley and Gulf Association put its shoulder to the wheel; "sell" the project to the country.

Mr. Fox's address was made at the afternoon session of the association's meeting, which was attended by representatives of 24 cities from five states.

J. Ralston Cargill, Columbus, president, presided at the morning session. The delegates were welcomed to Panama City by Mayor F. M. Nelson and the principal addresses were made by J. H. Drummond, a vice-president of the Chattahoochee association and chairman of the Panama City Chamber of Commerce waterways committee, and by Congressman Tom Yon, Tallahassee, of the First Florida District. Mr. Drummond outlined the purpose of the meeting and stressed the vital importance of the project. The Florida representative detailed the steps necessary to complete successfully the proposed waterway and pledged his full cooperation before and with all governmental agencies connected with its final approval by the Federal authorities.

Other speakers of the day's sessions included Harry O. Mitchell, district manager, Atlanta office of the Bureau of Foreign and Domestic Commerce; Harry L. Hartwell, City Commissioner of Mobile, Ala., and president of the League of Alabama Municipalities; Harvey Bayliss, Mayor of Pensacola, Fla.; and Mrs. F. R. S. Phillips, secretary of the Florida Canal Commission.

At the conclusion of the sessions the delegates adopted resolutions pledging continued activity in accomplishing the organization's goal, a waterway with a minimum depth of 9 feet from Columbus, Ga., to the Gulf.

### **\$2,057,000,000 Paid by Life Insurance Companies in 1928— \$421,000,000 to South**

Policyholders and beneficiaries received \$2,057,000,000 from life insurance companies in the United States and Canada last year, according to the annual "Life Payments Number" of the National Underwriter, an insurance journal published at Cincinnati, Ohio. This is an increase of \$311,000,000 over 1927. The increase in 1927 over 1926 was \$160,464,432.

Payments of the life insurance companies to policyholders and beneficiaries in the Southern states were over \$421,000,000.

A striking feature of the compilations is the fact that the disbursements are in modest amounts. Notwithstanding the huge total, there were very few large policies. The money goes back to families and children who need it, and not to add to swollen fortunes. Taking all the death claims above \$100,000 listed, the total is only \$59,621,000. This is only a drop in the bucket, compared with the gross volume paid to policyholders and beneficiaries. If these large claims had not been paid, the total would not have been affected perceptibly.

There are, however, many substantial payments large enough to keep a family from want. The day of the \$1000 policy is practically gone and of the \$5000 policy is passing. The vast development of life insurance is due to the new economic conditions that make life insurance the best answer to the modern problem.

Estate and inheritance taxes account for some of the large policies, continues the National Underwriter. Experience has shown that an estate may be wrecked by the necessity of selling the choicest assets in order to meet the demands of the government and the various states. However, the list of large policies includes many men who were not wealthy. They enjoyed good incomes and found life insurance an ideal provision for their families under modern conditions. There are thousands of men in this country making handsome incomes and who with their families wish to enjoy the comforts and luxuries of modern life. Under old conditions they would have lived inexpensively and put aside each year a large share of their earnings. Life insurance enables them to budget their income and make ample provision for their families through life insurance, instead of pinching all their lives in order to leave their dependents in comfort.

The growth of life insurance has been almost unperceived by the public. There

are few industries whose volume of business equals the payments made by life insurance companies to policyholders and beneficiaries.

### **\$370,000 Bonds Voted**

Greenville, Miss.—Citizens of this city have voted \$370,000 bonds, \$225,000 for schools, \$125,000 for sewerage and drainage and \$20,000 for a public library. A definite date for selling the bonds has not been determined, but will probably be in September.

### **Plans for \$3,000,000 Building**

St. Louis, Mo.—Plans will probably be completed by September 15 for the proposed \$3,000,000 Wenzlick Tower building to be erected here by the Albert Wenzlick Real Estate Co. The structure will be 35 stories and two basements, 106 by 104 feet. Klingensmith & Wilkens, St. Louis, are the architects.

### **\$950,000 Negro School Project**

Washington, D. C.—A tract of 42 acres north of Benning Road and west of Anacostia Park was recently purchased by the District of Columbia for a junior high school, elementary school and health school, all for negro pupils. The construction of buildings, however, will await further action of Congress, as no appropriation has been made for this purpose. Estimates place the cost of the junior high school at \$500,000, the elementary school at \$300,000 and the health school at \$150,000. The tract adjoins the park being reclaimed from the Eastern Branch of the Anacostia River. The Park and Planning Commission is pushing a project for the development of a large area adjacent to the property as a colored recreation center and the purchase of the school site is in harmony with these plans, according to Major L. E. Atkins, Corps of Engineers, assistant to the Engineer Commissioner of the District Government.

## **Milk Products Plant Completed**

The new plant of the Tyler Milk Products Company, Tyler, Texas, promises to be a major factor in promoting agricultural diversification in Smith County, Texas. Leading bankers, business men, state officials, county agricultural agents and railroad officials from towns and cities in East Texas attended the recent opening of the plant. The main building is 68 feet by 150 feet, two story and a portion of it three stories. It is equipped to manufacture sweet cream butter and powdered milk, using the Gray-Jensen process of powdered and skimmed milk. Equipment includes Pfaulder glass-lined storage tanks, also straight-away can washers, cream storage tanks, churns, separators and butter making machinery. There is a well-equipped laboratory. The Douthitt Engineering Company, Chi-

cago, which last year completed a similar plant at Marshall, Texas, constructed the Tyler plant; structures are of brick, steel and concrete.

It has a daily capacity of 120,000 pounds of raw milk, and when in full operation will return to farmers a minimum of \$1,000,000 annually, it is said. At present there are eleven milk routes from as far away as Canton in Van Zandt County, 40 miles from Tyler. Counties served are Smith, Van Zandt, Henderson, Wood and Cherokee.



**This New Plant in Smith County, Texas, Has a Daily Milk Capacity of 120,000 Pounds.**



## LETTERS FROM OUR READERS

### Virginia Opposed to Federal Farm Colonies

State Commission on Conservation and Development.

Richmond, Va.

*Editor Manufacturers Record:*

I want to commend the position taken in your issue of July 11, in opposition to the plan fathered by Elwood Mead, of the Reclamation Service of the Interior Department, for development of farm colonies upon now undeveloped lands in Southern states. This commission has followed that movement nearly from its inception in 1926, and practically all agencies in the state, including this commission and the officials of the agricultural industries, have strongly opposed the movement as economically unsound. That is probably why, in the bill recently introduced by Senator Simmons and proposing to carry a large appropriation, Virginia is omitted from its provisions.

I have been in touch with some of the sponsors of this movement other than Mr. Mead, and have urged that one justifiable proposal they might make is towards planned and reorganized farm communities, using going communities as their basis. At their last convention in Atlanta they apparently adopted this idea in form but not in substance. I am sending you copy of the proceedings of that meeting which I received from Hugh McRae, the well-known farm colonizer of Wilmington, N. C., with whom I have had a long conference. Mr. McRae indicates his own primary interest in the organization aspect of farming rather than in the development of additional farm area, and I believe it is due to our conversation that the title "Planned Farm Development" was introduced into their last convention proceedings. But the sponsors of the Simmons bill have apparently not shared Mr. McRae's view and have fallen back to the original idea of taking up new swamp or timber lands and carving farms out of them on the colonization plan which Mr. Mead has fathered in California and Australia, plans very good in themselves when new land needs to be taken up.

I hope your magazine will keep this proposition clearly before the public, for it would certainly be a disaster to have it go through on the lines now projected.

E. O. FIPPIN,

Executive Secretary and Treasurer.

### A Georgia Farmer Sees Aright on the Tariff Question

Lula, Ga., Route 1.

*Editor Manufacturers Record:*

I wish to thank you for your issue of June 6 in which you show up the foreign jute mills in competition with American cotton.

I am enclosing clipping from the Atlanta Journal of July 9, relative to "Europe Ready for Reprisals on U. S. Tariffs."

Now I am just a common farmer in

North Georgia, but I feel that, since a protective tariff has so long helped Eastern producers of various things, we of the South ought also to have a taste of it.

In my land there are veins of mica which miners say are workable, if they could get anything much for scrap mica. They say the users, the big manufacturers, are importing mica from India where labor costs nearly nothing. Also they import pyrites from Spain, and barytes, graphite and asbestos from other countries, while our mines and undeveloped deposits lay idle.

I suppose our Democratic Congressmen are ashamed to be heard on the side of tariff duties yet, and since most of these minerals are south of New Jersey and Pennsylvania, the Northern and Eastern representatives are not properly urged to do anything about a sufficient duty on mica, graphite, barytes, pyrites and other minerals.

H. S. SAVAGE.

### Thinks She Has Florida Travertine

Sulphur Springs, Tampa, Fla.

*Editor Manufacturers Record:*

I was much interested in the article on Florida travertine. I live about 300 feet from the Hillsboro River, which flows over a bed of solid rock in my neighborhood. At low tide, I have often noticed what beautiful coloring some of the rock has. About three years ago, an old well-driller drilled a well on my lot, and remarked that the rock was of unusual depth, and had a peculiar ring. By depth, I do not mean that the rock was so far from the surface of the ground, about 30 feet. I allude to the thickness of the rock itself.

If you know of any expert who contemplates a visit to Florida to look for travertine, please send him in this direction.

MATHILDA MCCARTHY.

### Protection for All

The Unit System Company, Inc.  
Mobile, Ala.

*Editor Manufacturers Record:*

The sooner all parts of the United States recognize the fact that only by working together can they get the best results for the whole country, the better it will be for us all. Some of the foolish propaganda advocating high tariff for local protection and free trade for the rest of the country reminds us of a good friend (and there are many such) who is always striving to have his own taxes reduced, and taxes on all the other property in his immediate neighborhood boosted.

We are very much interested in the MANUFACTURERS RECORD, and thoroughly in accord with most of your editorials, and feel sure your publication is doing a wonderful lot of good.

CALVERT SCOTT, President.

### The Texas Citrus Fruit Growers Exchange

The Mission Times.

Mission, Texas.

*Editor Manufacturers Record:*

The Texas Citrus Fruit Growers Exchange will this year handle approximately a third of the entire crop produced in the Lower Rio Grande Valley. The exchange is a mutual organization based on advanced business lines. Every member has, according to his interest in the organization, a proportionate voice in its policies, based entirely on the principle of cooperation. It has gone a step farther than most cooperatives in that it gives its members not only the advantages of mutuality, but makes them owners and managers of the institution by placing in their hands stock on which a return of seven per cent has always been paid, with the exception of this year, when an eight per cent dividend was declared. Most of the grower-members are stockholders.

All supplies, equipment and materials for growers are purchased and distributed at cost to members. No salaries are paid to officials of the exchange, with the exception of a field man, whose duty it is to sign up new memberships and who is a professional cooperative organizer. The president, John H. Shary, has given seven years of his life to the exchange and has never drawn one cent in salary, nor have other high type men who are associated with him and who are representative of the citrus industry in practically every community in the Valley.

Besides the officers, there is a board of directors, and a board of advisory vice-presidents of about 25 men, chiefly growers. Frequent meetings are held in an effort to make the exchange as responsive as possible to the will of the growers. Every consideration is given to member-stockholders and business is conducted along sound cooperative lines.

Through these progressive measures the exchange has become the dominating marketing organization, with the promise of becoming the agency for most of the growers in the next two years. Because of its progressive interpretation and application of the principles of cooperation the exchange was able to increase its chain of modern packing plants by two this year advancing to six units scattered at strategic points over the valley.

It is largely through Mr. Shary that the citrus industry has become a major enterprise in the valley; it was through his foresight and long years of application and sacrifice that the fame of Texas grapefruit has spread over the country.

RALPH G. BRAY, Editor.

# IRON, STEEL AND METAL MARKET

## Demand for Steel Is Very Great

Pittsburgh, August 12—[Special.]—There is a disposition nowadays on the part of some commentators on the steel situation to underrate the strength of demand and to estimate a material falling off in production, with more to follow. The actual facts do not warrant such comment, which perhaps is indulged in with the idea of being first to call the turn which of course must come some time, as steel production has been altogether exceptional since the middle of last year, but has not come yet.

On its face, the official report of steel ingot production in July shows a decrease of 4.2 per cent from the June rate. All or a large part of that could be attributed to hot weather and extra need of making repairs after months of very hard driving, whereby no decrease in demand would be shown. However, a proper study of the report indicates that there was little or no decrease. June had five Sundays, July four, and there is no little open-hearth production on Sunday. The formal report counts out only Independence Day whereas more than 24 hours was lost. Allowance for these points indicates there was little or no decrease in open-hearth, and as for Bessemer, even by the official account there was an increase of a fraction of one per cent. Since May some Bessemer has been furnished merely as a substitute for open-hearth and if the latter had become plentiful that would presumably have stopped.

There is perhaps a slight decrease now, but if so it is only on the part of some of the small mills which do not have diversified output. One small mill in the Pittsburgh district, making automobile steel almost exclusively, has curtailed, but that is the only case definitely reported in the district. The large mills, with diversified output, have been switching steel from one finishing department to another, and there is also a replenishing of stocks of semifinished steel at detached finishing mills, making strips and sheets.

There is no discernible indication of an increase in steel demand, when the second half of a year is regularly handicapped by lighter automobile and rail production, making a difference of say 5 to 8 per cent. Some time there will be a decrease of noticeable proportions in total steel production, but the time cannot now be predicted.

The automobile industry is doing fully as well as could be expected, relative to precedent. In the last five years the average decrease from first half to sec-

ond half has been 16 per cent, while present indications are that if anything the decrease this year will be less than that. Rails are doing somewhat better than usual for this time of year.

Fabricated structural steel lettings reported last week totaled 34,000 tons, the same as the preceding week, and making four relatively light weeks. There was the same experience at this time last year and the year before. The structural fabricating shops are very well filled with business, being well ahead of last January or last August, and will be taking much steel from the mills for months to come.

The large increase in oil production since late in May has dispelled such hopes as were entertained in the pipe trade of an early revival in demand for oil country goods. The mills are helped out by the large demand for natural gas line pipe. Some remarkable projects are now talked of, but experience shows it usually takes a long time to get all details arranged.

The widespread weakness in wire nails prices already reported has now extended even to the Pittsburgh district, and the whole market is quotable at \$2.55 to \$2.65 against \$2.65 to \$2.75 quotable from the beginning of the year until recently. Sheets have not weakened farther. An attempt to restore the old prices is likely to be made next month. Cold rolled strips show less irregularity. Other finished steel products remain steady at prices ruling for months.

The valley pig iron market remains dull, but with prices perfectly firm, and a buying movement is expected within a few weeks, there having been almost no contracting for the current quarter.

## Metals Active for the Season—Quicksilver Strong

New York, August 12—[Special.]—The metals are active considering that it is mid-summer, though sales of the past week have not been as large as for the preceding week when quite a spurt was experienced. However, most of the metals are holding well in price and some have staged slight advances. The situation is sound and it should take but little stimulus when the fall demand appears to make the markets very strong.

Export sales of copper have been running on an average of 1750 tons daily as against about 2500 tons daily the preceding week. Domestic consumers have also been showing more interest,

having themselves received better orders for their manufactured goods. The tone of the zinc market has been weakened somewhat by gains in surplus stocks of both the ore and smelted product. Lead prices are holding well and premiums are developing for future delivery. Tin has been sagging a trifle but this is because of lack of activity rather than any inherent weakness in the situation.

The steel industry still sets a brisk pace for the nonferrous metals. Steel ingot production and pig iron output for the first seven months of the year were new high records and though production dropped 2 per cent during the past week this was considered very mild for the season. It is predicted as this is written that the unfilled orders of the Steel Corporation will have been shown to have declined over 100,000 tons during July, which is a mild drop for the season.

The principal development among the minor and precious metals has been the strength in quicksilver, which rose 50c per flask per week over the past fortnight, being quoted now at \$124 per flask of 75 pounds as a minimum price. Silver hovers around usual levels of recent weeks and antimony shows no variation from 8½c per pound, duty paid.

The price of electrolytic copper has stiffened at the 18-cent level. Casting copper has been advanced a trifle to 17½c per pound; refinery and scrap copper, brass and bronze are a little stronger. Brass ingots were reduced in price, but this is rather a belated marking downward and does not reflect any fresh weakness. Prices were reduced to harmonize with 18c refined copper.

For the first time in several weeks there has been more or less serious talk of the possibility of refined copper going higher, though conservative observers of the market feel that such a rise is not in sight yet. Producers are apparently well satisfied with present levels and would probably only raise prices to stop buying if it were being done too fast. Yet the producers have not forgotten the experience of March when the price dropped from 24c to 18c after a market which rose too rapidly.

The copper situation seems to be the best stabilized in several months. Production has been cut nearly 20 per cent from the peak of the year, thereby fitting the consumption. Wages at the mines have been reduced following the drop in prices in early spring and the 18-cent selling price has been current so long that it is well-established. Most of the recent buying has been for August delivery with some September business placed on books. No one is in the mood



to buy October copper as yet. Producers, in looking over their order books, have found a steady increase in business, week by week, over the past month and a half. Copper statistics for July will be announced today by the American Bureau of Metal Statistics and though predictions are heard of a gain in surplus stocks of refined metal by as much as 20,000 tons, it is believed that the decline in production will offset this factor.

It comes to light that the sales of lead week before last were the best since early March. Prices have been steady at 6.75c per pound, New York, and 6.55c, East St. Louis, all for prompt shipment. The tendency is towards premiums for more future deliveries, as much as \$1.50 per ton having been paid for September and October shipments. This implies the belief that lead prices are going higher. Dealers have been the principal purchasers of this forward lead which they expect to resell at higher quotations in a month or two.

The tin market is very listless and prices are sagging slowly because of the lack of interest. The world's visible supply increased but 38 tons during July, one of the slightest changes in a long time. The price of spot Straits tin has dipped to about 47c per pound, with sharp premiums being paid for future delivery. Most brokers are advising clients to buy on the declines, predicting higher prices later in the year.

Stocks of slab zinc gained over 7000 tons in July but, even so, stocks are less than a month's consumption. The price has dipped a trifle, however, prime western slab zinc being obtainable at 6.75c as against the former price of 6.80c, East St. Louis.

### No Great Change in the Pig-Iron Situation

Birmingham, August 12—[Special.]—Sales of pig iron by Southern furnace interests are somewhat better than they have been, but are far from being sufficient to warrant any statement of activity. The lower freight rate to the Atlantic coast ports, coupled with the low base price at which the product has been selling f. o. b. furnaces, has developed some business. However, competition in the North is still keen and the use of Southern irons in the East not as liberal as it might seem would follow the moderate price made. The statement here as to the base price of pig iron is from \$14 to \$14.50 per ton, No. 2 foundry, the latter price that obtained in the home section. There is still denial of sales at \$13, f. o. b. furnaces, so far as foundry iron is concerned. Basic iron is also being held firmly.

There will be a slight reduction of surplus iron this month but not to the extent expected some time back.

Surplus stock of pig iron on furnace yards in Birmingham is very extensive, with no change in plans of curtailment, and from one to three blast furnaces will be blown out this month. Excellent service is being given in transportation. All railroad lines out of Birmingham to the Atlantic are participating in the little impetus that has started on movements from this section to Baltimore, Philadelphia, New York and Boston. It is not a one line proposition, practically all of the railroads with lines to the ocean having connection with a steamship line.

Consumption of pig iron in the home territory is continuing well, with several industries reporting contracts in hand and in sight which warrant the assertion that there will be steady operation of shops for a considerable time ahead. Local purchasing is in small lots.

Two or three furnaces will undergo repairing, relining and rebuilding during the remainder of the year, one proposition being to rebuild along lines of greatly increasing the capacity, reaching out for almost the largest producer in the district. Despite the sluggishness of the iron market for the past several months, there is still hope that improvement is not far off, with warrant for active production.

The steel market is holding a fairly good position. There has been a little lagging in structural steel and in some of the smaller shapes, wire, nails and fencing; while railroad steel, rails, track fastenings, etc., are very quiet. Unfilled tonnage on rails is being worked off books rapidly. While railroads are expected to come into the market shortly, the feeling is that requirements for the remainder of the year will not be so very cheering.

Steel fabricating shops are keeping active, many small tonnage contracts being received. Virginia Bridge & Iron Company as well as the Ingalls Iron Works Co., Southern Steel Company and other fabricators are maintaining large forces and producing steadily. Virginia Bridge will fabricate 365 tons of structural for umbrella sheds on train tracks of the Terminal Station, Birmingham. This concern also furnished 3300 tons structural steel for a telephone building in Atlanta, besides considerable steel for bridges, in Texas and Alabama.

The coal industry in Alabama shows no change. In addresses by Milton Fies, vice-president, DeBardleben Coal Corporation, largest producer of domestic coals in the state, he declares that chemical research means the salvation of the coal industry. He points to the fact that industrial districts are large and

successful where coal abounds and contends that although hydro-electric power and natural gas and oil have had some effect on the industry there is greater opportunity in the chemical treatment with coal as basis.

Coke remains firm. Foundry coke is commanding \$5 per ton as base price. Shipments into the middle west are still under way and contracts on hand and in sight makes it certain there will be considerable activity for some time.

The scrap iron and steel market is lagging, except as to steels. Heavy melting steel, the best quality commands \$12.50 per ton while one of the larger consumers in the district is paying \$11 to \$11.25, delivered.

Pig iron and iron and steel scrap quotations are as follows:

#### PIG IRON

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$14. to \$14.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$14.50 to \$15.00; iron of 2.75 to 3.25 per cent silicon, \$15.00 to \$15.50; iron of 3.25 to 3.75 per cent silicon, \$15.50 to \$16.00.

#### OLD MATERIAL

Old steel axles .....	\$17.00 to	\$18.00
Old iron axles .....	17.00 to	18.00
Old steel rails .....	13.00 to	14.00
Heavy melting steel .....	10.50 to	12.50
No. 1 cast .....	13.00 to	13.50
Stove plate .....	12.50 to	13.00
No. 1 R. R. wrought .....	10.00 to	11.00
Old car wheels .....	11.00 to	11.50
Old tramcar wheels .....	11.50 to	12.00
Machine shop turnings .....	7.00 to	8.00
Cast-iron borings .....	7.00 to	8.00
Cast-iron borings (Chem) ..	13.00 to	13.50

### Plans Go Forward for Big Electric Power Project in Tennessee

Knoxville, Tenn.—Another step toward development of the waters of the Holston River and tributaries was accomplished when at its recent meeting the Federal Power Commission authorized the Holston River Power Company, J. R. Paull, New York, to construct three dams to have a total installed generating capacity of 74,000 horsepower. Dam Number 1, as designated by the commission, is to be 95 feet high and will be located on the main stream of the Holston River, about six miles above Kingsport; Dam Number 2 will be 135 feet high and is to be constructed at the junction of the South Fork and the Watauga River; and Dam Number 3, to be 130 feet in height, will be situated on the Watauga River, near Bluff City. A certificate of necessity and convenience has already been granted the company by the Tennessee Public Utilities Commission.

The Holston River Power Company is connected through stock ownership with the American Cyanamid Co., New York, which made known at the hearings on the project that a large expenditure, reported to be \$25,000,000, would be made by the company upon receipt of definite assurance that the power company would be allowed to construct the dams.

# AVIATION, AIRPORTS AND AIRWAYS

## North Carolina Airport

Fletcher, N. C.—The new airport here, which is being developed through the co-operation of the Asheville Chamber of Commerce, city of Asheville, Buncombe County, city of Hendersonville and Henderson County, will be formally dedicated in September or October, according to an announcement by J. A. Richbourg, chairman of the aviation committee of the Asheville Chamber of Commerce. Plans for the opening are being arranged by F. Roger Miller, vice-president of Grove Park Inn; Dick R. Lane, president of United Realties, Inc., operators of the Inn; Clem W. Gerson, Frederick R. Neely, general manager of the National Aeronautic Association, and others. Major Clarence M. Young, acting assistant Secretary of Commerce and director of aeronautics, and General James E. Fechet, chief of the army air corps, both of Washington, D. C., have tentatively accepted invitations to attend.

## Aviation Stimulates Realty Business

According to C. Stanley Taylor, New York, manager of the Lehigh airport competition for the design of modern airports, which closes November 18, the development of aviation will create communities around airports and stimulate real estate values, while the establishment of aviation country clubs will tend to boost neighborhood land prices and encourage residential and other development. This competition, which is being sponsored by the Lehigh Portland Cement Company of Allentown, Pa., is national in its scope and is open to architects, engineers and city planners for the design of airports which will aid American communities to solve their landing field problems. Prize awards will amount to \$10,000.

## East Texas Magazine Issues Special Number Devoted to Aviation and Airports

The August number of East Texas, a monthly magazine published by the East Texas Chamber of Commerce, Marshall, Tex., is devoted to aviation and airports, presenting a number of interesting articles, including: Development of Air Transport in the United States, by Col. Paul Henderson, president, American Air Transport Association; Roads of the Sky, by M. J. Norrell, vice-chairman, Aviation Committee, Dallas Chamber of Commerce; Commercial Aviation in

Process of Evolution, by John W. Philp, Fourth Assistant Postmaster General; Why an Airport? by Charles B. Braun, divisional traffic manager, the National Air Transport, Inc. Other contributions have been made by L. D. Gilbert, chairman of the Forestry Committee of the East Texas Chamber of Commerce; Mary Virginia Saunders, editor of the Shreveport Magazine; Burt Rule, publicity director of the Houston Chamber of Commerce; Maj. Roland A. Laird, Aviation Secretary of the Dallas Chamber of Commerce.

## United States Plans Biggest Airship

Washington, D. C.—According to plans for the ZRS-4, a new airship to be built for the United States Navy, the ship will have a gas capacity of 6,500,000 cubic feet, which will exceed the gas capacity of the R-100 being built by Great Britain, by 1,343,000 cubic feet and that of the Graf Zeppelin, the German airship, by 2,792,000 cubic feet. It will exceed the gas capacity of the Los Angeles by 3,900,000 cubic feet.

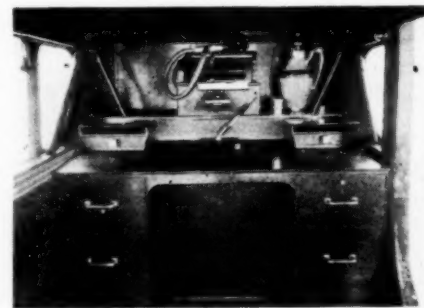
## Plane With Office Facilities

A specially equipped flying office-plane has been placed in regular production by the Ryan Aircraft Corporation, Anglum, St. Louis, Mo., officials of the company recently announced. It is equipped with dictaphone, office desk, filing equipment, desk and reading lights, thermos bottle set, electric cigar lighter, shelves for books and other accessories. Due to demand for specially fitted planes for use of business and professional men who must transact business while on their trips, three "Ryan Flying Offices" are scheduled for production every month.

Engineers of the company have designed the cabin so that noise of the motor and propeller will not interfere with dictation in the air, it is stated. A system has been worked out by which the dictaphone records may be dropped to the ground by means of a small parachute. The pilot may fly low over a golf course or other open space where people are in evidence and drop a

package containing the cylinder, addressed and stamped ready for mailing.

The first of these flying offices was recently delivered to J. H. McDuffee,



Interior of the Plane

vice-president and general manager of the Prest-O-Lite Storage Battery Sales Corporation. The plane carries four passengers and a pilot. It has a high speed of 140 m.p.h. and a conservative cruising speed of 120 m.p.h.



The First of the New Office-equipped Ryan Planes



# HIGHWAYS AND MOTOR TRANSPORT

## REPRESENTATIVES FOR PAN-AMERICAN HIGHWAY CONGRESS

Highway Builders to Offer Benefit of Financing and Engineering Experience to Central and South American Countries

One of the great combined needs of North and South America is a connected system of improved highways that will permit motor vehicle travel throughout the length and breadth of the two continents, declared Major Frederic A. Reimer, East Orange, N. J., president of the American Road Builders' Association, before sailing for Rio de Janeiro to attend the second Pan-American Highway Congress in the Brazilian capital, August 16 to 31. Major Reimer is a member of the United States delegation appointed by President Hoover, headed by J. Walter Drake, Detroit, former assistant Secretary of Commerce. Mr. Drake and H. H. Rice, Detroit, represent automotive interests. The government is represented by Thomas H. MacDonald, Chief of the Bureau of Public Roads, Senator T. L. Oddie, Nevada, and Representative Cyrenus Cole, Iowa. Frank T. Sheets, chief highway engineer of Illinois, will speak for state highway officials.

At the Congress, first consideration will be asked of the great project for the completion of the Pan-American Highway, viewed as the backbone of a future highway system to reach every important city in each country on the two continents and in Central America. The greatest handicap to building the highway is the lack of finances and much discussion will center about this subject. Engineering problems in the countries to the south will be attacked. Tourist traffic over the international highway system will be encouraged by American representatives at the Congress in an effort to promote a broader understanding between the people of the various countries.

The United States delegation goes equipped with a number of specially prepared articles dealing with various aspects of highway affairs in the United States, these including finance, uniform traffic laws and signs, the Inter-American Highway, construction and maintenance of low type roads, building of concrete and other high types of highway, and the gist of basic material developed through 20 years of research, study, and practical experiment in the United States.

Material gathered virtually comprises a traveling library, already translated

into the languages of the Latin countries, Portuguese and Spanish, and illustrated by a dozen or more reels of film which will be exhibited at the Congress and during succeeding conferences arranged for the delegation in other countries. Mr. Drake in an announcement said:

"Few proposals have excited a more sympathetic public interest than the suggestion that highways be provided to link together the North, Central and South Americas. Only a few North Americans have had the opportunity to visit the nations to the south. Once roads are improved, they will travel this way by the thousands, eager to see something of the lands about which they have heard so much.

"Physically there is nothing in the suggestion for an Inter-American highway

which is impossible to attain, and the international enthusiasm demonstrated over the project is certain to advance its completion."

## \$350,000 Bridge Contract Let

Kitty Hawk, N. C.—The Kitty Hawk Co., L. C. Blades, president and W. G. Gaither, secretary-treasurer, owners of the Kitty Hawk beach property, awarded contract to the W. L. Jones Construction Co., Elizabeth City, N. C., to build a bridge across Currituck Sound from Point Harbor to Kitty Hawk. The bridge will be of creosoted pile and timber construction estimated to cost from \$250,000 to \$350,000.

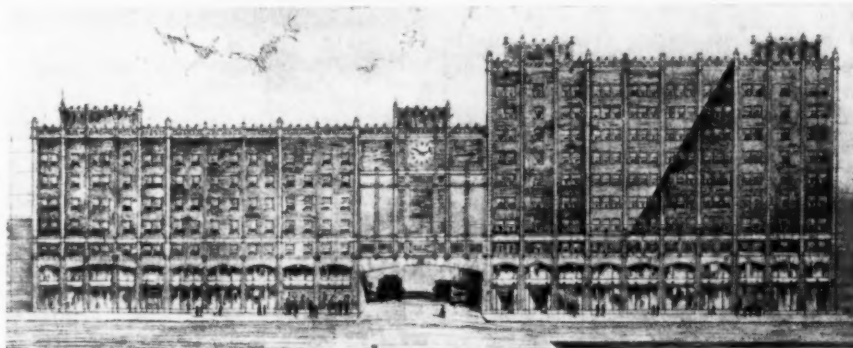
## \$5,400,000 Bus Terminal Group

Contracts Awarded for Project to Include 400-Room Hotel, 370-Car Garage and Office Building

Kansas City, Mo.—One of the largest building projects ever undertaken here, in the downtown area, is known as the bus terminal group and will shortly be under way, general contract having been awarded to Thompson-Starrett Co., New York. About a year will be required to complete the project, estimated to involve an expenditure of \$5,400,000. Sub-contracts will be awarded promptly. Four building units will be constructed as one connected structure. A 10-story 400-room hotel will occupy a site corner at Tenth and McGee Streets, while on the Ninth Street corner will be a 7-story office building. A 2-level bus terminal, leased to the Pickwick-Greyhound Interests, will have a main entrance between the two major structures. Off the first floor level is a 2-story waiting room with special rest rooms for women travelers. Behind the office building, fronting on Ninth Street and extending to an

entrance on Oak Street, will be a garage, three stories and basement, to house 370 cars.

Buildings are all to be of reinforced concrete construction and fireproof. Street elevations are to be face brick and terra cotta and the garage and bus concourse will have a sprinkler system. Wight & Wight are the architects, this firm having been engaged several years ago when the project was to be built around an interurban trolley station. The buses came instead and the Interurban Central Station Co. expanded its land holdings for a still greater development. C. C. Peters is president of the local syndicate owning the block of land on which the project will be built. Hughes Bryant, who directed negotiations for financing the enterprise, will supervise construction and manage such portions of the property as are not under long-time leases.

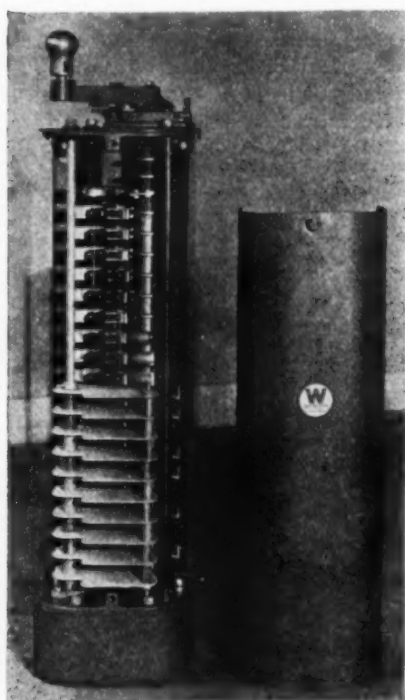


Sketch of Group to Be Erected in Kansas City, Mo.

## NEW AND IMPROVED EQUIPMENT

### Reversing Drum Controller

The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., announces a line of reversing drum controllers to be known as Type A, listed in classes 8300 and 8400 for direct current service and in classes 12-700 and 12-800 for alternating current. They are designed for heavy usage in the operation of cranes, hoists, bending rolls, rail-



Westinghouse Controller for Heavy Usage

way turntables, etc., and incorporate new features and refinements in design and operation.

Drum cylinder consists of rolled brass supporting discs assembled on micarta insulated steel shaft between brass and micarta insulating collars. Contact segments are bolted to supporting discs so as to eliminate the burning of bolt heads, and are reversible, a feature which gives double operating life. An adjustment is provided to compensate for finger wear, while localized heating of the joints is prevented by copper shunts direct from the terminals to the finger tips.

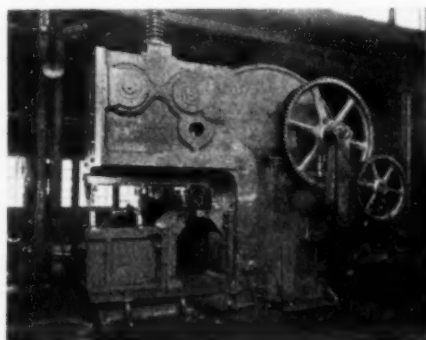
Easy operation of the controller is provided by a flexible roller bearing in the top and a ball thrust bearing in the base, the latter feature making it impossible for the drum cylinder to settle. Several types of operating heads may be employed with this controller to suit requirements of various installations. The horizontal handle with spring return, the standard horizontal, the vertical handle, the bevel gear head for

right angle drive, and the rope wheel with or without spring return may all be mounted in any of four positions on the top of the controller head.

Castings have been replaced by steel parts in construction of the controller wherever practicable, to provide maximum strength with reduced size. Wiring is said to be unusually simple because of the controller's removable back cover, ample wiring space behind the rotating contacts and a large opening in the base. For safety a simple latch is located in the handle to prevent unintentional moving by an accidental knock and unauthorized operation is prevented by a handle lock.

### Heavy Duty Toggle Punch

To meet requirements in structural steel shops caused by increased sizes of structural steel sections, the Beatty Machine and Manufacturing Company, Hammond, Ind., has produced a line of heavy duty toggle punches. As the punching of flanges and webs in one handling requires a large die space or length of head front to back, the main body extending up in the housing has been increased to the same length as the face or space for tooling, to give added strength and rapidity to the head of the punch. To distribute equally the pressure a double set of toggles, spaced equal distances, is used, toggles being operated by a connecting rod leading to the main shaft which is mounted through



A Punch of Strength and Speed

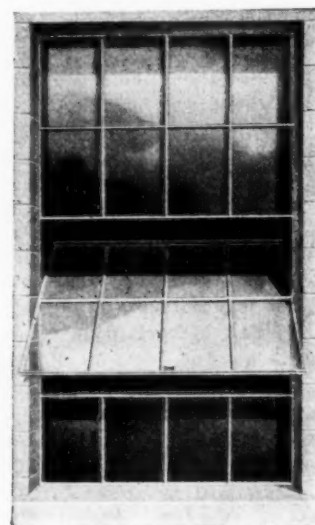
the frame at right angles to the face of head.

The main shaft is fitted with an automatic stop clutch. Driving gears are assembled on the housing, making a self-contained unit and saving considerable floor space. The clutch is operated by an electric solenoid with remote push button control. The punch is of all steel construction, has bronze-lined slide bearings and bronze-bushed shaft bearings fitted

with a single shot force feed lubricating system. Length of head from front to back is 60 inches; from right to left, 12 to 40 inches as required; distance face of head to table, down stroke, 48½ inches; stroke 3 inches; capacity 400 tons pressure, or it will punch four 1½-inch holes through 1-inch material in cluster at any point of head, front to back. A saving in power is effected, as using the toggle to operate the head reduces the size of driving gears and horsepower of the motor. Shipping weight of the 400-ton punch is 80,000 pounds. Several sizes are to be built, from 150 to 600 tons.

### Window Sash of Wrought Iron

Wrought iron, long utilized under conditions requiring rust resisting materials, is now being adapted to the manufacture of a solid rolled section metal window sash by the Mesker Brothers Iron Co., St. Louis, Mo. It is produced in center pivoted or projected types, sec-



In Solid Section

tions being extra heavy, one and a half inches deep, at least ⅛ of an inch thick, and weighing over one pound per foot. The joints are welded of the same material and parts subjected to frictional wear are of solid bronze to insure ease of action.

The sash is described as neat in appearance, giving maximum light, and having the strength, the fireproof qualities and enduring features of the metal itself.

Montgomery County Commissioners, Rockville, Md., sold \$336,000 4½ per cent school bonds to the National City Company, New York, at 98.009.



# CONSTRUCTION DEPARTMENT and NEW ENTERPRISES

Covering the initial announcements of new undertakings with additional information about enterprises previously mentioned. The date at the end of an item indicates preliminary facts were given in a previous issue.

When writing to a new firm or corporation the name of at least one of the incorporators should be placed on the envelope to expedite its handling by the local postoffice. Mail may be delayed unless complete address is given.

Building and Construction Proposed and Contracts Awarded; Manufacturing, Mining, Power, and Land Developments; Public Works; Transportation; Communication; Financial Enterprises; New Business Opportunities Reported in the Sixteen Southern States.

The Daily Bulletin of the Manufacturers Record gives each business day advance news published in this weekly review. It is invaluable to those requiring prompt information. Subscription price \$40.00 a year.

## Airports, Airplane Plants, Etc.

Ga., Brunswick—Island between Little and Back Rivers selected for \$200,000 airport for Brunswick; construction to be made possible through Howard E. Coffin, of Sea Island Co.; C. M. Keys, Pres., Curtiss Aeroplane & Motor Co., 39 Broadway, New York, and Transcontinental Air Transportation Corp., J. A. Wilson, Pres., St. Louis, Mo., and J. F. Toros, Brunswick; plans include two 3000-ft. runways with accommodations for seaplanes in St. Simon Sound with equipment for lifting them from water into hangars on land; airport equipment to cost about \$80,000.

La., Good Pine—Trout Creek Lumber Co., establish landing field; clearing site.

La., Shreveport—Adjustable Wing Air Craft Co., Inc., capital \$60,000, chartered; J. C. Bakston, Hazel D. Koch.

Miss., Hattiesburg—City Comm. will let following separate contracts Aug. 22: Clearing and grubbing field, approx. 320 acres near Palmer's Crossing, between G. & S. I. and B. & H. S. E. R., includes removal of stumps and filling of holes; road, 60 ft. wide along north side of field, approx. parallel to Priest's Creek; hangar with 3 plane capacity, to allow for expansion; installation of 40 field border lights; hangar lights; revolving beacon and field marker; 2-ft. bridges across Priest's Creek; 10 street lights to illuminate road inside field; make other improvements later. 5-23

Okl., Ada—Park Comm., Mrs. Frances Wintersmith, Pres., recommended to City Comm. \$15,000 bond issue for airport.

Okl., Enid—Kindred's Aviation School, incorporated; Harold Kindred, L. L. Leunburg.

Okl., Mangum—City plans bond issue for acquiring land for expansion of Ponder Field.

Okl., Woodward—City, H. M. Renner, Mgr., considering \$85,000 bonds for airport, sewer extension, water system improvement, etc.

Tenn., Knoxville—Stinson Aircraft Corp., Eddie Stinson, Wayne, Mich., reported, contemplating airplane plant.

Tex., Abilene—City rejected bids for hangar and terminal buildings, opens new bids Aug. 16; B. Russell Shaw Co., Archt.-Engr., 810 Olive St., St. Louis, Mo. 8-1

Tex., Calvert—A. H. Waite, Supt., Airways Extension, Dept. of Commerce made inspection of proposed site for emergency landing field; equip for night flying; probably acquire 225 acres soon.

Tex., Dallas—North American Lloyd Aircraft Corp., Marshall H. Hartmann, Pres., Suite 508, 535 Fifth Ave., New York, provisionally accepted 10-acre tract at Hensley Field for \$400,000 airplane plant; equipment to cost \$700,000; considering transcontinental line starting at Hamilton, Ontario, with terminal at Buenos Aires.

Tex., Lubbock—Bd. of Directors of Chamber of Commerce voted to recommend to City Comm. to proceed with purchase of Jones Estate, 4 mi. north of city. 5-2

Tex., Port Arthur—Charles F. O'Dell, Houston, opened office Merchants Natl. Bk. Bldg., to form company for operating flying school, passenger business and aerial photography.

## Bridges, Culverts and Viaducts

### Proposed Construction

Ala., Gadsden—Etowah County Bd. of Revenue, plans \$125,000 toll bridge across Coosa River at Gilbert's Ferry, 6 mi. south of Gadsden; county to appropriate \$50,000; may sell warrants or bonds for remainder. 5-23

Ala., Mobile—Mobile County Bd. of Revenue and Roads Comm., plans receiving bids for 5 bridges on Cedar Point road extension: Over Bayou Coden, on Improvement No. 10; over East Fowl River, Cedar Point road; over Cut-off Channel, Mobile Bay to Herron Bay, Cedar Point road; over West Fowl River, between Alabama Port and Coden; over Herron Bayou, on road from Alabama Port to Coden; plans completing 19 mi. Highway, Cedar Point road extension; cost about \$1,000,000; John R. Peavy, County Engr. 7-25

Ark., Little Rock—City, E. E. Stansbury, Engr., preparing plans for re-building East Sixth St. underpass; reported, Missouri Pacific R. R., E. A. Hadley, Ch. Engr., St. Louis, considering expending \$90,000 for bridge across Sixth St. and re-grade its tracks.

D. C., Washington—Dist Commrs. received low bid from Farris Engineering Co., Empire Bldg., Pittsburgh, Pa., to reconstruct floor system for Anacostia River Bridge: from Atlantic Bridge Co., Greensboro, N. C., \$9,000, for hand rail. 7-25

Fla., Fort Lauderdale—Broward County Commrs., received low bid from M. E. Hoffman Construction Co., Dania, \$4,000 for Type C rein. conc. culvert, over Drainage Canal, 22x34 plus wings; rock asphalt on native stone, roadway, 9,500 lb. rein. steel; Charlton & Davis, Engrs., Wheeler Bldg. 7-25

Fla., Jacksonville—Duval County Commrs. received plans of A. H. Howard, Needles and Tamman, Engrs., 1012 Baltimore Ave., Kansas City and 55 Liberty St., New York, for proposed bridge across St. Johns River; will submit plans to Col. L. V. Frazier, U. S. Dist. Engr.; F. M. Edwards, County Engr.

Fla., Live Oak—War Dept., Washington, D. C., approved changes in plans, of State Road Dept., Robert W. Bentley, Chmn., Tallahassee, for bridge across Suwannee River, north of Live Oak.

Fla., Miami—War Dept., Washington, D. C., approved certain changes in plans of bridge for City of Miami, Welton A. Snow, Mgr., across Miami River, at N. W. Second Ave. 4-26

Ga., Atlanta—City, Clarke Donaldson, Clk., of Construction, and Fulton County Commrs., tentatively approved construction, underpass, under tracks of Southern Ry., connecting Hemphill Ave. and North Side Drive. 4-25

Ky., Louisville—City, Bd. of Public Works, approved contract submitted by Louisville & Nashville, R. R., W. H. Courtney, Ch. Engr., Louisville, for underpass at Third and K St.; 2 elevated structures, several hundred feet apart; 2 tracks on bridge supporting Southern rails; 4 tracks on L. & N. bridge; cost about \$500,000. 7-25

Ky., Louisville—Kenutcky & Indiana Terminal R. R. Co., W. S. Campbell, Thirtieth & Bank Sts., preliminary plans for viaduct at Thirty-first and Magazine Sts.; other grade elimination work; cost \$300,000.

Louisiana—Louisiana Highway Comm. receives bids for about 6 bridges. See Roads, Streets, Paving.

La., Lillie—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, receives bids Sept. 3 for 346 ft. creosoted timber pile trestle on Lillie-Spearsville Highway, Route No. 411, Union Parish; W. H. Norckauer, State Highway Engr.

La., New Orleans—City, T. S. Walmsley, Commr. of Finance, plans expending \$50,000 to repair bridge over Bayou St. John; \$200,000 for new bridge; \$25,000, temporary bridge, replacing drawbridge with stationary arched bridge; D. W. Godat, Engr.

Maryland—See Roads, Streets, Paving.

Md., Baltimore—City, Charles F. Goob, Ch. Engr., preparing plans for bridge over Gwynn's Falls, extending Baltimore St., to Hilton St.; Wm. F. Broening, Mayor.

Md., Baltimore—Henry G. Perring, Consol. Engr., Court Square Bldg., Baltimore, will design and supervise construction of 2 underpasses, in connection with extension of Cornwall St. to Western Electric Co. plant; one underpass to eliminate surface crossing of Pennsylvania R. R.; City will lay sewer and water mains, and build bridge across Colgate Creek; Charles F. Goob, Ch. Engr. 4-18

Md., Salisbury—State Roads Comm., Clinton Uhl, Chmn., Baltimore, receives bids Aug. 22 for abutments, piers and earth approaches for proposed bridge over tracks of N. Y. P. & N. R. R., at North Division St., Salisbury; L. H. Steuart, Sec.

Mo., Independence—Jackson County received low bids for 2 bridges. See Roads, Streets, Paving.

Mo., Poplar Bluff—State Highway Comm., Jefferson City, plans letting contracts within 2 months for \$300,000 bridge over St. Francis River, Fisk, Butler County; for viaduct over Missouri Pacific and Frisco R. R. tracks, south of Poplar Bluff, connecting Highways 53 and 67; T. H. Cutler, State Highway Engr.

Mo., St. Louis—City and Wabash Ry. Co., M. F. Longwill, Ch. Engr., St. Louis, plan receiving bids for 120-ft. rein. cone. steel double track railroad bridge over Kingshighway Northwest, near West Florissant Ave.; cost \$52,000.

N. C., Tarboro—Edgecombe County Commrs. receive bids Aug. 17 to construct bridges and repair 2 I-beam bridges; 1,860 lin. ft. creosoted timber piling, 15,536 ft. B. M. creosoted struct. timber, 9,000 ft. B. M. untreated struct. timber; E. L. Hunley, Engr., Rocky Mount.

Oklahoma—State Highway Comm., of Oklahoma, L. H. Wentz, Chmn., Oklahoma City, and State Highway Comm., of Texas, R. S. Sterling, Chmn., Austin, plan expending \$700,000 for 3 free bridges across Red River, between 2 states: South of Durant; south of Marietta, and south of Waurika.

Oklahoma—State Highway Comm., L. H. Wentz, Chmn., Oklahoma City, plans 2

bridges: Cherokee County—3 span 300-ft. steel truss bridge on piers, over Barron Fork, Highway No. 51, near Eldon, cost \$60,000; Greer County—18 span 250-ft. pile trestle bridge over Salt Fork River, cost \$30,000; John F. Rightmire, State Highway Engr.

Oklahoma—State Highway Comm., receives bids for about 13 bridges. See Roads, Streets, Paving.

Okl., Dougherty—Murray County Comms., Sulphur, preliminary plans for \$35,000 steel truss bridge over Rock Creek, near Dougherty; A. O. Walker, Engr., Sulphur.

Okl., Tulsa—See Roads, Streets, Paving. S. C., Greenville—Southern Ry. Co., B. Herman, Ch. Engr., Washington, D. C., completed plans for steel girder railway industrial spur trestle over River St.; city will widen River, Court to Broad St.

Tennessee—See Roads, Streets, Paving.

Tenn., Kingston—Roane County Court probably let contract soon for free state-aid bridge across Clinch River, State Highway No. 1, Kingston; sold \$125,000 bonds, for county's part of construction. 3-14

Tenn., Nashville—Maj. F. E. Besson, Dist. Engr. hold public hearing Aug. 20 on application of Dept. of Highways and Public Works for 2 fixed highway bridges across Obey River: In Goodpasture Bend, at Buford and Webb's Ferry, 12 mi. above mouth of river, 155-ft. horizontal clearance, spanning main channel, 51-ft. vertical clearance above low water, 12 ft. above maximum point, 26 ft. above average water level; other bridge ½ mi. upstream, on Turkey Creek, about 28 mi. above mouth of river, center span of 154 ft. horizontal clearance, 53 ft. vertical clearance, low water mark, 12 ft. high water mark; 28 ft. average water level; T. E. McEwen, State Highway Engr.

Tex., Dallas—Dallas County Comms., Court, Charles E. Gross, County Auditor, plans receiving bids for underpass on Santa Fe R. R., Buckner Blvd. road; building and graveling Balch Springs road, and Pleasant Valley-Rowlett road, Dist. No. 2.

Tex., Houston—City, W. E. Monteith, Mayor, receives bids Aug. 21 for rein. conc. bridge over White Oak Bayou at Yale St.; H. L. Shaw, City Engr. 8-8

Tex., Port Arthur—Jefferson County Comms., Court, Beaumont, approved contract between Jefferson County, U. S. Government and T. & N. O. R. R., for bridge over Intracoastal Canal, near Port Arthur; construction probably start before Oct.; cost about \$162,000; awaiting approval of War Dept., Washington; B. B. Johnson, County Judge. 6-27

Tex., Port Lavaca—War Dept., Washington, D. C., approved application State Highway Comm., Austin, for 3 mi. road causeway across Lavaca Bay; shell embankment with frequent pile trestle bridges, one draw span.

Tex., Riverside—War Dept., Washington, D. C., approved plans State Highway Comm., R. S. Sterling, Chmn., Austin, for bridge across Trinity River, north of Riverside; replace present structure.

Tex., San Antonio—City, Fred Fries, Clk., contemplates 3 bridges: 2 steel bridges, over S. P. and over M. K. & T. Ry.; approximate cost \$20,000; over River on South Alamo St., cost about \$30,000; all contingent on present plan to widen S. Alamo St.; I. Ewig, City Engr.

Tex., Waco—State Highway Dept., Austin, appropriated \$30,000 toward 700-ft. conc. span across Lake Waco, Highway No. 67; 24-ft. wide, 3-ft. sidewalks; cost about \$200,000; replace 2 bridges over Bosque, on Fish Pond and Speegleville roads; will reroute Highway No. 67, on south side of lake over bridge to Valley Mills.

Va., Franklin—War Dept., Washington, D. C., approved plans of Camp Manufacturing Co., Franklin, for bridge across Chowan River, near Franklin.

Va., Smithfield—War Dept., Washington, D. C., approved revised plans State Highway Comm., H. G. Shirley, Chmn., Richmond, for bridge across Pagan River, Smithfield.

West Virginia—State Road Comm. receives bids for 6 bridges. See Roads, Streets, Paving.

#### Contracts Awarded

Fla., Fort Lauderdale—Murphy Construction Co., Orlando, contractor, sublet contract to M. E. Hoffman Construction Co., Dania, \$80,500, for rein. conc. Pompano Canal and Middle River Bridges, 30-ft. roadways; construction to start at once.

Fla., Pensacola—Johnson, Drake & Piper Development Corp., R. G. Patterson, 15½ W. Garden St., Pensacola, holders of franchise for \$2,000,000 Pensacola Bay Bridge, have organized Pensacola Bridge Corp., Pensacola,

to own and operate bridge; Northwest Florida Corp., Panama City, has contract for construction; will receive bids for material. 1-10

La., New Orleans—See Miscellaneous Construction.

N. C., Currituck—W. L. Jones Construction Co., Elizabeth City, has contract for bridge across Currituck Sound, Point Harbor to Kitty Hawk; 14,940 ft. long, 105-ft. draw span; Republic Creosoting Co., Money Point, Norfolk, Va., will furnish creosoted piles and cross timbers; Newbegun Lumber Co., Tacoma, Wash., furnish 1,800,000 ft. Pacific Coast fir, for decking and superstructure; T. B. Wilson, Engr., in charge. 8-1

Tennessee—See Roads, Streets, Paving.

Tenn., Memphis—Dept. of Highways and Public Works, R. H. Baker, Commr., Nashville, let contract to C. G. Kershaw Construction Co., Woodward Bldg., Birmingham, Ala., \$64,000, for Memphis approach of Harahan viaduct across Mississippi River, Memphis; to be approved by U. S. Bureau of Public Roads.

Texas—State Highway Comm., Austin, let contracts for 3 bridges and bridge surfacing: Harris County—five 26-ft. girder approaches, San Jacinto Bridge; eleven 28-ft. girder relief openings to San Jacinto River; surface 313.5 ft. bridge from San Jacinto River to point about 1.5 mi. east, State Highway No. 3, John F. Buckner, 407 N. Main St., Cleburne, \$40,558; Montgomery County—286-ft. treated timber bridge and earth approaches, State Highway No. 19, end of Spring Creek Bridge to Station 1215 plus 00, James G. Donovan, Houston, \$22,385; Gibb Gilchrist, State Highway Engr.

Texas—State Highway Comm., let contracts for 3 bridges and underpass. See Roads, Streets, Paving.

Tex., Conroe—State Highway Comm., Austin, let contract to J. G. Donovan, Houston, \$22,385, for bridge and earth approach, Highway No. 19.

Tex., Sugarland—City let contract to Brown & Root, Post-Dispatch Bldg., Houston, \$45,000, for curbing, gutter, and 10,000 sq. yd. conc. paving.

Tex., Waxahachie—State Highway Comm., Austin, let contract to Grant Williams, Oklahoma City, \$49,945 for 3 bridges in Ellis County: Over Bear Creek, Red Oak and Grove Creeks; to H. K. McCollum, Fort Worth Natl. Bk. Bldg., Fort Worth, \$9,077 for Texas Electric underpass, between Sterrett and Red Oak Creek; W. A. Spalding, Res. Engr. 7-25

#### Canning and Packing Plants

Fla., Ensley—Gulf Coast Citrus Exchange, Dr. O. F. E. Winberg, Sec., Silver Hill, Ala., constructing packing plant for shipping satsumas; 60 x 80 ft.; conc. tile; conc. floors; comp. roof. 8-8

Miss., Meridian—N. H. Hutto, Collinsville, R. E. Jolly, Route 4, Meridian, reported, interested in establishment of canning plant.

Miss., Pascagoula—Pascagoula Packing Co. increased capital to \$50,000; improve plant.

#### Clayworking Plants

Ark., Malvern—R. P. Foster, Little Rock, reported, develop clay deposits; build plant near Durain Spur.

#### Coal Mines and Coke Ovens

Mo., Brimson—Brimson Block Coal Co., capital \$10,000, incorporated; W. James Holden, Melbourne; F. J. Conger, Brimson.

W. Va., Charleston—Winding Gulf Collieries, capital \$3,000,000, incorporated; Justus Collins, Kanawha Bk. & Tr. Bldg.

#### Concrete and Cement Plants

Mo., Kansas City—Mon-O-Tile Concrete Products Co., capital \$100,000, incorporated; H. T. White, A. T. Wickersham; acquired 1½-acre plant, Armourdale Dist.; erect plant in early fall for manufacturing concrete building materials; manufacture interlocking conc. building block, conc. building tile and conc. brick.

Okl., Sayre—G. H. Bryant, Channing, Tex., acquired Amarillo Duntile Mfg. Co., 1004 W. Fourth St., Amarillo, Tex.; sold interest to T. A. Hawkins, Channing, Tex., moving plant here; change name to Sayre Duntile Mfg. Co., T. A. Hawkins, Gen. Mgr.

Tex., Del Rio—Duntile Products Co., Inc., capital \$25,000, chartered; W. H. Ritchey, F. L. Howard.

Tex., San Antonio—Republic Portland Cement Co., capital \$250,000 common no-par value stock and \$1,250,000, incorporated; A. F. Sayers, 1547 W. Agarita St.

#### Cotton Compresses and Gins

Ala., Cordova—M. Aaron Cotton Co., Monroe Aaron, Pres., Jasper, leased building, establish cotton gin.

Ark., Osceola—Roy Brinkley, reported, let contract to Louis Nailing, for \$20,000 cotton gin.

Ark., Hickory Ridge—Hickory Ridge Gin Co. incorporated; H. K. Smith, M. H. Williams.

Ark., Blytheville—Home Gin Co., capital \$16,000, incorporated; J. F. Waggoner, Bk. of Commerce & Trust Bldg., Memphis, Tenn.; Henry Lutes, Blytheville; erecting frame, iron-clad gin; install 40-80 saw gin mch., from Continental Gin Co., Birmingham, Ala. and 125 h' p. motor from General Electric Co., Schenectady, N. Y.

Ala., Selma—Selma Compress Co., reported, let contract to Rutledge & Pierson, for addition to plant.

Ark., Scranton—C. N. Geren, Geren Bldg., Fort Smith, constructing cotton gin.

Ga., Jackson—Robinson, Seattle & Robison, Inc., erecting cotton gin.

Miss., Crystal Springs—J. C. Thomas Gin Co., incorporated; J. C. Thomas, H. J. Derk; equip gin with 4 ginstands.

Miss., Hopewell—Farmer's Gin Co., incorporated; Walter Barlow, W. M. Burt.

Miss., Seminary—Farmers' Gin Co., acquired gin formerly operated by E. W. Sims.

Okl., Okemah—Okfuskee County Gin Assn., rebuild burned gin.

Tenn., Brownsville—Farmers Gin Co., Jackson, acquired gin of National Cotton Seed Products Co.

Tenn., Lexington—Sweatt & Weir, reported, let contract to Troy Maxwell, for 2 story, frame, cotton gin.

Tex., Ackerly—Farmers and Planters Gin Co., capital \$21,000, incorporated; W. P. Freeman.

Tex., Ackerly—Ackerly Farmers Gin Co., capital \$30,000, incorporated; A. D. Brown, R. N. Adams.

Tex., Bartlett—Bartlett Ice and Gin Co., J. K. Knight, Sec.-Treas., erecting \$20,000 five stand electric gin; increase capital, \$20,000 to \$40,000.

Tex., Elgin—C. Y. Fields, McDade, acquired plant of Farmers Gin Co.; will improve.

Tex., Knott—Community Gin Co., capital \$25,000, incorporated; T. S. Montgomery, F. M. Duff.

Tex., Loraine—Rowland Bros. Gin Co., capital \$28,000, incorporated; Clarence Rowland, T. S. Montgomery.

Tex., Willis—Consolidated Gin Co., capital \$18,000 incorporated; R. W. Miller, W. R. Malone.

#### Cottonseed-Oil Mills

N. C., Fremont—Eastern Cotton Oil Co., subsidiary of Davison Chemical Co., Garrett Building, Baltimore, Md., acquired controlling interest in Fremont Cotton Oil Co.

Tenn., Memphis—National Cottonseed Products Corp., Falls Bldg., Ernest Rice, Pres., voted to increase working capital \$1,000,000.

Tex., Dallas—Planters Cottonseed Co., capital \$400,000, incorporated; M. E. Singleton, Telephone Bldg., St. Louis, Mo.; acquired Planters Cottonseed Products Co., 4401 S. Fitzhugh St.

Tex., Hidalgo—Hidalgo Cotton Oil Mill, incorporated; Marvin and H. A. Evans.

Tex., Shamrock—Shamrock Cotton Oil Co., Inc., capital \$325,000, incorporated; M. D. Anderson, J. D. Garnett.

#### Drainage, Dredging and Irrigation

Ark., Jonesboro—Comms. of Drainage Dist. No. 31, of Craighead County, Office of Guy W. Cobb, Dist. Engr., American Trust Bldg., Jonesboro, opens bids Aug. 24 for 3 ditches comprising 106,600 cu. yd. excavation.

Fla., Miami Beach, Miami—See Miscellaneous Construction.

Fla., St. Petersburg—See Miscellaneous Construction.



La., Alexandria—Red River Navigation Committee, J. L. Pitts, Chrmn., soon begin dredging in Red River.

Texas—H. B. Livingston, San Benito, engineer for Cameron County Water Improvement Dist. No. 13 filed engineering plans with State Bd. of Water Engineers, calling for district 6300 acres with 4800 acres to be irrigated from Rio Grande; conc. lined canals.

Tex., Beaumont—Texas Public Service Co., controlled by Peoples Light & Power Corp., 27 William St., New York, acquired Beaumont Irrigation Co., J. E. Broussard, Pres., including 90 mi. canals, serving 25,000 acres rice land.

Tex., Houston—U. S. Engr. Office, Galveston, has low bid from Orleans Dredging Co., Canal Bk. Bldg., New Orleans, La., for maintenance dredging sections 1 and 2 of Houston Ship Channel, at \$641,250; 2,700,000 cu. yd. 8-1

Tex., Mercedes—Cameron and Hidalgo Counties Irrigation Dist. No. 9 votes Sept. 7 on \$3,500,000 for purchasing American Rio Grande Land and Irrigation Co., make additional improvements, including necessary drainage, conc. lined canals, and retirement of preliminary \$50,000 bond issue already voted and used for valuation survey, \$2,473,068 to be paid for system. 6-20

Tex., San Benito—J. T. Franklin, Edinburg, has conditional permit to irrigate 88,000 acres in Hidalgo County; conc. lined, or otherwise treated distribution system to prevent excessive seepage; reservoirs to be built with aggregate capacity of not less than 1 acre-ft. water for each acre of land included in permit; diversion canal from Rio Grande with carrying capacity not exceeding 4000 ft.

Va., Petersburg—U. S. Engr. Office, Norfolk, Va., opens bids Sept. 6 for dredging approx. 691,250 cu. yd. sand and mud and removing about 466 cu. yd. rock in Appomattox River.

## Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ark., Jonesboro—City voted against sale of electric and water system.

Ga., Washington—East-West Engineers, Inc., 165 Broadway, New York, reported, acquired city light and water plant.

Kentucky—Middle West Utilities Co., 72 W. Adams St., Chicago, Ill., reported, acquired United Public Service Co., 100 N. Monroe St., Chicago, Ill., with subsidiaries operating in Kentucky, Alabama, North and S. Dakota; company owns all of capital common stock of United Public Utilities Co., Southern United Ice Co., Southern United Gas Co., and United Merchandise Co., and United Securities Co., and controlling interest in Kentucky Power Co.

Kentucky—L. E. Bryant, Roberta, Tenn., granted permit by Federal Power Comn. for 40,000 h. p. development on Rock Castle, Laurel River, in Kentucky.

Miss., Silver Creek—Mississippi Power and Light Co., Jackson, rebuild burned portion of light and power plant.

Mo., Kirksville—City plans electric light and power plant; Black & Veatch, Engrs., 701 Mutual Bldg., Kansas City.

Mo., Leadwood—Leadwood Commercial Club and St. Joe Lead Co., reported, interested in installation of street lighting system.

Mo., Lees Summit—City not erecting light plant, as lately noted, reported; applied to Public Service Comsn., Jefferson City, for permission to secure current from Kansas City. 8-8

N. C., Asheville—D. D. Smith, Pres., Home Service Co., Inc., 3 Page Ave., reported, interested in erecting central heating plant to furnish steam radiation for offices and downtown public buildings; cost about \$2,000,000; have applied for franchise. ....

N. C., Bryson City—Nantahala Power and Light Company has been incorporated; J. E. Thorpe, Calderwood, Tenn., R. L. Smith, Albemarle; develop hydro electric project in western North Carolina.

N. C., Enka—Carolina Power and Light Co., Raleigh, reported, install street lighting system for American Enka Corp.

Okla., Cleo Springs—Oklahoma Gas and Electric Co., Oklahoma City, reported,

granted franchise for transmission line, distribution system; cost \$25,000.

Oklahoma—Southwestern Light and Power Co., 510-22 Braniff Bldg., Oklahoma City, will rebuild Erick and Texola distribution systems and build distribution system in Elmer.

S. C., Lexington—Lexington Water Power Co., reported, let contract to Belmont Iron Works, 22nd St., and Washington Ave., Philadelphia, Pa., for 750 tons of fabricated steel for hydro electric power station. 7-12-28

Tenn., Sevierville—Knoxville Power and Light Co., Knoxville, reported, negotiating for power plant of Sevierville Light and Power Co.

Tex., Amarillo—Southwestern Public Service Co., subsidiary of American Commonwealths Power Corp., 120 Broadway, N. Y., reported, enlarge generating and distribution facilities; double capacity of local super power plant; install 2500 kw. turbine at Roswell and 840 h.p. engine in Carlsbad plant.

Tex., Dallas—Dallas Power and Light Co., construct underground power line to filtration and purification plant at Bachman's Dam.

Tex., Denton—Denton Construction Co., reported, has contract at \$39,000 for municipal utilities building E. Hickory St. 7-11

Tex., San Angelo—West Texas Utilities Co., Abilene, let following contracts in connection with increasing capacity of Concho generating station: B. F. Sturtevant Co., forced draft fans; Buffalo Forge Co., 490 Broadway, New York, induced draft fans; L. E. Myers Co., Mercantile Bk. Bldg., Dallas, substructure and superstructure; Mosher Steel and Machinery Co., 5209 Maple St., Dallas, struc. steel; A. S. Cameron Steam Pump Works, of Ingersoll-Rand Co., 11 Broadway, New York, boiler feedwater pumps. 7-18

Tex., Yoakum—Texas Louisiana Power Co., Fort Worth, reported, contemplates erection power plant.

Virginia—Virginia Public Service Co., Charlottesville, install additional equipment for complete sectioning substation at Goshen; construct additional work at Clifton Forge substation; purchased material to replace 41,000 volt wood pole line from Roncove to Anderson with double circuit tower line; connect present isolated operation in Appomattox County to transmission system of company; started program of reconstruction in Hampton-Newport News district.

Virginia—Virginia Public Service Co., Charlottesville, reported, deferred construction of proposed dam and water power project near Goshen Pass in Rockbridge County, until about Oct. 1. 1-31

Va., Leesburg—Virginia Public Service Co., Charlottesville, acquired and plans improvements to plant of Leesburg Electric Co.; rebuild transmission and distribution system in Leesburg.

## Fertilizer Plants

Ark., Russellville—Home Fertilizer Co., Home Ins. Bldg., Little Rock, construct branch factory.

## Flour, Feed and Meal Mills

Ky., Lawrenceburg—Eagle Roller Mills, Inc., J. Andrew Crain, Pres., construct addition for feed mill. See Want Section—Machinery and Supplies. 8-8

N. C., Statesville—Statesville Flour Mill Co., erect 4 story addition to mill, 80x85 ft. brick and steel.

Okla., Oklahoma City—Moore-Lowery Flour Milling Interests, Wichita, Kans., reported, acquired Acme Milling Co.; will incorporate as Acme Flour Mills Co.

Va., Weyers Cave—Weyers Cave Milling Co., capital \$20,000, incorporated; C. W. Sandridge, Crozet.

## Foundry and Machine Plants

Ala., Birmingham—McWane Cast Iron Pipe Co., 3700 N. 11th Ave., let contract to A. F. Felix, 2119½ N. First Ave., for shower and locker building; brick, tile partitions, 1-story and basement, 110x40 ft.; Miller & Martin, Archt., Title Guarantee Bldg.

Ala., North Birmingham (Sta. Birmingham)—Lamson & Sessions Bolt Co., 1971 W. 58th St., Cleveland, Ohio, let contract to Johnson Construction Co., Marlin Bldg., Birmingham, for \$500,000 bolt, nut and rivet plant; struc. steel, conc. brick, wood block floors, main building, 160x240 ft., other buildings to include boiler house, install cistern and conc. drives; main building to be equipped with modern machinery, including cranes; employ 100; Geo. S. Rider, Engr., Century Bldg., Cleveland, Ohio. 4-4

Ga., Atlanta—Mueller Co., Decatur, Ill., let contract to Smith & Williams Co., Red Rock Bldg., Atlanta, for \$100,000 cast iron water pipe plant, Nelson and Mangum St.; McDonald & Co., Archts.-Engrs., Southeastern Tr. Co. Bldg. 6-13

Md., Towson—Black & Decker Mfg. Co. (Mfrs. electric drills, tools, etc.), C. C. Ferrel, Plant Supt., broke ground for 2-story building, 140x200 ft.; first floor, stock and storeroom and shipping plant; second floor, cafeteria, factory offices and manufacturing; William H. Sands, Towson, Gen. Contr.; steel contract let to Dietrich Bros., 220 Pleasant St., Baltimore; plans and specifications not entirely completed, and will be several weeks before additional sub-contracts are let and orders placed; same contractors just completed factory building, 1-story, 200x200 ft. (Incorrectly noted 7-25-29 to have let contract for foundry). 7-25

Mo., Centralia—Chamber of Commerce negotiating with Precision Machinery Co., E. Linschmidt, Seattle, Wash., for establishing plant to manufacture rotary pump and cylinder boring machine, etc.

## Gas and Oil Enterprises

Ala., Birmingham—Birmingham Gas Co., reported, expd \$500,000 on expansion of system; considering \$500,000 additional for extension to suburbs. 6-20

Ala., Gadsden—Central Public Service Corp., 105 N. Adams St., Chicago, Ill., reported, completed survey of route of gas line. 5-2

Ark., Fort Smith—Fort Smith Gas Co., A. G. Williams, Jr., reported, construct pipe line from Lavaca gas fields; cost \$100,000.

Ark., Little Rock—Quaker Oil Co. incorporated; R. H. Burtz, 207 N. Cedar St.

Ark., Stuttgart—Arkansas Natural Gas Corp., Ardis Bldg., Shreveport, La., reported, construct local distribution system, 42 miles.

Ark., West Helena—Cherokee Public Service Corp., Muskogee, Okla., granted gas franchise. 6-20

Ga., Hapeville—Atlantic Gas Co., Lewis Bldg., Philadelphia, Pa., install gas mains.

Ga., Savannah—Mexican Petroleum Corp. of Georgia, subsidiary of Pan American Petroleum & Transport Co., 120 Broadway, New York, filed application for charter, incorporators, Robert M. Hitch, Esq., James W. Hennessy, Jr., capital \$1,000,000; operate refinery above city on site of former Foundation Co., on Savannah River, construction of plant to begin soon. 6-13

La., Bossier City—Phenix Oil & Gas Co., Inc., chartered; J. B. White.

La., Lake Charles—Bennett Oil and Gas Co. increased capital \$70,000 to \$200,000.

La., New Orleans—Big Chief Refining Co., Godchaux Bldg., and 104 W. 70th St., New York, reported, has let following contracts for \$1,000,000 refinery: Southwestern Engineering Corp., Los Angeles, Calif., contract for refining units; H. N. Moody, 815 Perdido St., New Orleans, for construction of buildings; Reeves Brothers Co., Martin Bldg., Birmingham, Ala., for tanks; National Foam System, Inc., 1632 Sansom St., Philadelphia, Pa., for fire protection system; company has tract of 100 acres with 1200 ft. on west bank of Mississippi River; Graham Engineering Co., Godchaux Bldg., Engrs. 1-17

Missouri—Mississippi River Fuel Corp., 500 N. Fourth St., St. Louis, soon offer \$16,000,000 6% coupon bonds; proceeds for construction of 535 mile natural gas pipe line Louisiana to Missouri. 5-9

Mo., North Kansas City—Jesco Lubricants Co., reported, let contract to Fritzlen & Hufford, Armour and Erie Sts., for manufacturing plant; 2 story, brick, cost \$50,000, at 1437 Gentry St. 7-1

Mo., Springfield—Springfield Gas and Electric Co., closed contract with H. L. Doherty & Co., 60 Wall St., New York, for supplying natural gas.

Mo., St. Joseph—Beckley Bros. Oil Corp., incorporated; Barrett Beckley, 1900 Frederick St.

N. C., Hamlet—City ratified gas franchise to North Carolina Gas Co., subsidiary of Atlantic Gas Co., Lewis Bldg., Philadelphia, Pa. 7-4

N. C., Rockingham—Superior Oil Co. incorporated; M. W. and Katherine McRae.

N. C., Kinston—Thermalene Gas Products Co., capital \$50,000, incorporated; R. A. Blackwood, Park Ave.

N. C., Wilmington—Standard Oil Co. of New Jersey, 26 Broadway, New York, reported, acquired 22 acres on Cape Fear channel section for distributing plant.

Okla., Blackwell—Cushing Refining & Gasoline Co., reported, plans enlarging refinery.

Okla., Sasakwa—Sinclair Oil Co., Sinclair Bldg., Tulsa, reported, construct 16 unit natural gasoline plant; cost \$75,000.

Tex., Albany—M. C. H. Corp., capital \$12,000, incorporated; H. L. Crotty, H. J. Hoppel.

Tex., Amarillo—Union Drilling Co., capital \$25,000, incorporated; Fred E. Devore, Rule Bldg.

Tex., Amarillo—Timms Robinson Oil Corp., capital \$160,000, incorporated; L. W. Timms, Oliver-Eakle Bldg.

Tex., Borger—Palmer Corp. Co., Inc., 1100 City Bank Bldg., Shreveport, La., reported, construct additional units at carbon black plant; increase burning units to 36.

Tex., Borger—C. F. Spencer, reported, interested in organizing \$200,000 company, erect 2 unit carbon black plant, burn 10,000,000 cu. ft. of residue gas daily; fuel contracted from F. C. Henderson Co., which has gasoline absorption plant under construction.

Tex., Buffalo—Buffalo Oil Co., incorporated; T. J. Stovall, R. L. Nicholson.

Tex., Houston—W. L. Pearson Properties, Inc., capital \$30,000, chartered; W. L. Pearson, Esperson Bldg.

Tex., Longview—Harrison County Gas & Oil Co., incorporated; F. H. Bivins, L. D. Kelly.

Tex., Wichita Falls—Moran Co., capital \$50,000, incorporated; W. J. Moran, 2315 Bullington St.

Tex., Wichita Falls—Orient Petroleum Co., 352 Harvey-Snyder Bldg., subsidiary of Atlantic-Pacific and Gulf Oil Co., Kansas City, Mo., reported, construct additional unit to cracking plant now under construction; increase capacity to 10,000 bbls. crude oil daily; cost of each unit \$250,000; will purchase number of tank cars.

Va., Harrisonburg—Consumers Utilities Co., Winchester, acquired franchise; erect gas plant and high pressure distribution system, using house governors and tin meters; steel line pipe, double and single random lengths; portion of work by company's forces; type of production plant not decided; Charles E. Stoddard, Engr. 7-25

Va., Norfolk—Virginia Home Oil Co., capital \$25,000, incorporated; James Edward Askew, 1239 Calvert St.

Va., Richmond—National Oil Co., H. L. Flindlayson, Pres., First & Everett Sts., acquired 9 acres at Third and Maury Sts.; erect plant with 10 storage tanks; cost \$26,000.

W. Va., Chester—Smith Petroleum Co., incorporated; C. A. Smith, Jr., T. L. Long.

W. Va., Princeton—Bluefield Gas & Power Co., Bluefield and G. C. Hedrick, Beckley, negotiating for gas franchise.

### Ice and Cold-Storage Plants

Fla., Homestead—Redland Citrus Growers Association, E. A. Carter, Mgr., considering installing cold-storage facilities.

Fla., Miami—Seminole Ice Co., S. W. S. River Drive bet. S. Miami Ave. and F. E. C. R. R., has private plans prepared for \$18,000 to \$20,000 ice and cold-storage plant. S. W. S. River Drive; begin construction about Sept. 1.

Fla., Sarasota—Organization of Sarasota Terminal Docks, Inc., announced by T. W. Bryden, Goldenrod Ave., to erect \$500,000 cold-storage plant at harbor; accommodate 200 cars citrus fruit and vegetables.

Ga., Bainbridge—Swift & Co., Union Stock Yards, Chicago, Ill., establish cold-storage plant.

La., New Orleans—Republic Ice Mfg. Co., Inc., capital \$12,500, chartered; Robert P. Hyams, 1401 Nashville St.

Okla., Hydro—Southwestern Light & Power Co. acquired municipal ice plant.

Tex., Marble Falls—Cal Gray, Brady, acquired site for cold-storage plant; also house meat market.

### Iron and Steel Plants

Ark., El Dorado—Ellis Iron Works, Inc., capital \$25,000, chartered; John H. Ellis.

### Land Development

Ark., Fort Smith—W. L. Curtis, First Natl. Bldg., and Allen Henderson, 101 Greenwood St., interested in development of Coke Hill into riverside park.

Fla., DeLand—Wright Stevens & Co., Inc.,

capital \$25,000, incorporated; Claude Wright, S. L. Stevens.

Fla., Jacksonville—Ashby Sebring Corp., incorporated; C. G. Ashby, Atlantic Natl. Bk. Bldg.

Fla., Jacksonville—G. W. Wheeler & Son, Inc., chartered; G. W. Wheeler, 1516 Aberdeen Ave.

Fla., Jacksonville—National Lead Co., 111 Broadway, New York, reported, has tentative plans for expenditure of several million for developments at Jacksonville Beach; erect hotel; dancing piers, piers, 18 hole golf course, clubhouse, yacht basin, etc.

Fla., Leesburg—Silver Lake Estates, increased capital \$45,000 to \$150,000.

Fla., Lakeland—Lake Gibson Land Co., incorporated; C. I. Dwiggins, 106½ S. Kentucky Ave.

Fla., Monteverde—Daytona-Monteverde Vineyards, Inc., E. M. Dunn, 134 Orange Ave., Daytona Beach, developing 60 acres for grape vineyard; expend \$69,594; work of development is being made by Florida Grape Growers, Inc.

Fla., Miami—Paradise Avocado Groves, Inc., chartered; J. H. Sellers, City Natl. Bk. Bldg.

Fla., Miami—S. M. J. Co., Inc., incorporated; J. H. Sellers, City Natl. Bk. Bldg.

Fla., Miami—Indiana Miami Corp., incorporated; J. H. Lifsey, 1556 Murcia Ave.

Fla., Miami—Twelfth Court Co., incorporated; M. L. Shaw, 634 N. Miami Ave.

Ky., Louisville—Green Fields Country Club, Harvey D. Hays, Resident Mgr., 1011 Cherokee Rd., improve 415 acre tract on Upper River Rd. for golf course; install water works, electric lights and club house.

Ky., Louisville—McDonogh Realty Co., J. H. Shine, Pres., 420 S. Fifth St., develop Parkway subdivision, 40 acres on Western Parkway.

La., Lafayette—Angelloz Realty Co., Inc., capital \$100,000, chartered; A. A. Angelloz, Jr., Maringouin.

La., New Orleans—Rahders Realty Co., Inc., chartered; J. H. Rahders, 1234 S. Rampart St.

La., New Orleans—Nicholas Realty, Inc., capital \$30,000, incorporated; Herman J. Estrade, 7226 Washington St.

Va., Newport News—Merrimac Realty Corp., capital \$50,000, incorporated; Abe Horwitz, 5201 Huntington Ave.

Md., Rockville—Brosius Improvement Corp., incorporated; John W. and Chas. T. Brosius, Jr.

Md., Williamsport—Williamsport Development Co., incorporated; Wm. H. Miller, Alvey G. Hoffman.

N. C., Raleigh—City, E. E. Culbreth, Mayor, plans expending \$12,000 for improvements to Nash Square, Pullen Park and Moore Square.

Okla., Ada—City planning \$25,000 bond issue for parks.

Okla., Tulsa—See Sewer Construction.

Okla., Tulsa—Park Bd., acquired Berry amusement park at Young St. and Madison Ave.; improve.

Tex., Austin—City plans improvements to 15 acres in East Wood, develop for park.

Tex., Fort Worth—Bluebonnet Hills Development Co., George H. Veeder, install water works and sanitary sewers in subdivision.

Tex., Goose Creek—L. L. Huie expend \$20,000 developing 40 acre subdivision; install shell streets, sewers, water and other utilities. 8-8

Tex., Houston—Public Realty Co., 803 Public National Bank Bldg., developing Westlawn Terrace subdivision, later plan development of Liveoaks subdivision.

Tex., Houston—City plans development of MacGregor Park and driveways.

Tex., Raymondville—R. R. Clark, Wichita Falls, develop 40 acres in citrus fruits.

Tex., San Antonio—Hagelstein Properties, Inc., capital \$1,000,000, chartered; George Hagelstein, 310 N. St. Marys St.

Tex., Sterling City—Lions Club interested in development of park.

Virginia—See Miscellaneous Enterprises.

Va., Blackstone—City, reported, negotiating for Lake View Cemetery.

Va., Salem—Fort Hill Burial Park, Inc., capital \$100,000, chartered; C. F. Strickler.

W. Va., Bluefield—Bluefield Realty Corp., incorporated; R. E. Lazenby, 2511 Memorial St.

W. Va., Charleston—Bluegrass Co., incorporated; Beverly Broun, Kanawha Bk. & Tr. Bldg.

### Lumber Enterprises

Ala., La Pine—J. E. Hathcock Lumber Co., J. E. Hathcock, Pres., recently organized, acquired Landers Lumber Co.; will enlarge plant.

Ala., Maplesville—John H. Higgins started rebuilding planing mill recently burned with \$25,000 loss.

Ala., Tuscaloosa—Housge Bros. Lumber Co., improving recently acquired Bush-Mosely Lumber Co., Fox.

Ark., Crossett—Crossett Lumber Co. advises using present building to house equipment; following have contracts for machinery: Side matcher and end matcher, S. A. Woods Machine Co., Damiell, Boston; Mass.; rip saws, resaws and knot saws, Yates-American Machine Co., 961 Lyell Ave., Rochester, N. Y.; Thrall & Shea, 314 Pujo St., Lake Charles, La., installing equipment; plant to be modern, equipped with motor driven machinery. 8-1

Ala., Yarbo—Ingram-Day Lumber Co. ordered natural circulation moist-air dry kiln, from Moore Dry Kiln Co., 843 Blanche St., Jacksonville, Fla., and North Portland, Oregon.

Arkansas—Bradley Lumber Co., Warren, acquired 30,000,000 ft. virgin hardwood timber, Ouachita River bottoms, Ashley County, gum, oak and other Southern hardwoods.

Ark., Arkansas City—Leavenworth Timber Corp., Kennett, Mo., capital \$500,000, formed by George Leavenworth, Greenville, Miss., and J. A. Hemphill, Kennett, Mo., to operate plant here to develop timber holdings of about 100,000,000 ft., in Chicot and Desha Counties acquired from Baker Fentress & Co., Chicago; overhaul machinery and make various changes at Thane mill, single band mill, daily capacity, 70,000 ft.; establish 2 log camps, Mozart and Rohwer.

Florida—Keysville Lumber Co., Keysville, acquired timber tract, Charlotte County; reopen lumber mill.

Fla., Stuart—Casa Lumber Co., L. Dorsey, Prop., acquired Martin County Lumber & Supply Co.; consolidate yards.

Georgia—Peavy-Welsh Lumber Co., newly organized with A. J. Peavy, Chrmn. of Bd., 576 Jordan St., Shreveport, La., acquired over 1,000,000 ft. standing timber. 7-25

La., Alexandria—Roy O. Martin Lumber Co., Alexandria, acquired 7600 acres virgin hardwood timber in Red River, Bienville and Natchitoches Parishes, known as Blake Lake timber, estimated at 40,000,000 ft., oak, gum, cypress and pine; to be manufactured at plants here.

Miss., Estes—Legan & McClure Lumber Co. started rebuilding sawmill recently burned.

Miss., Seminary—May Hardwood Co., Jackson, acquired sawmill of C. J. Willett; will manufacture hardwood exclusively.

Miss., Seminary—C. J. Willett erecting sawmill on site of C. G. Watson Lumber Co.; saw yellow pine exclusively.

Tex., Orange—Lutcher & Moore Lumber Co. contracted for 3 sections standing timber in Texas & New Orleans Ry. survey in Orange County.

Tex., San Antonio—Richey-Kirby Lumber Co., 2110 S. Flores St., increasing capital stock, \$40,000 to \$150,000.

### Metal-Working Plants

Okla., Oklahoma City—Safety Stop Line Marker Co., capital \$300,000, incorporated; Stanley Lewis, Colcord Bldg.; manufacture metal stop signals.

### Mining

Ala., Shelby—Shelby Iron Co. leased iron ore mines to Shook & Fletcher Supply Co.; begin working mines, shipping ore out to another furnace.

Okla., Miami—Mid-Continent Lead & Zinc Corp. acquired Lawyers Mining Co., involving \$350,000, including 90-acre lease in Kansas, 2 mills, 160-acre lease in northwest extension of Oklahoma field.

Tenn., Powder Springs—East Tennessee Marble Co., capital \$250,000, incorporated; W. A. Cockrum, Pres., Washington Pike, Knoxville; quarry large deposit of marble near here, in 5 colors; 300 ft. wide, ¼ mi. long, estimated 1,000,000 pink and 500,000 cu. yd. gray, cave extends 60 ft. below surface; operations to begin as soon as equipment is assembled.

Tex., San Angelo—Alamito Mining Co., capital \$30,000, incorporated; W. J. Hurd, R. E. Beamon; property includes 463 acres; plan mining silver and later erecting 50-ton



mill including crusher and concentrator; install 300-ft. shaft.

### Miscellaneous Construction

Arkansas—U. S. Engr. Office, McCall Bldg., Memphis, Tenn., opens bids Aug. 19 for 13,000 cu. yd. earthwork in Phillips County Drainage Dist. No. 1 of Phillips and Monroe Counties, Piece 1, 50R above mouth of White River, close crevasse, 12.7 ft. high; also for 176,000 cu. yd. in White River Levee Dist. (Knowlton, Ark.), Piece No. 16, from Cairo R. D. (below) 366R, new loop, 139,000 cu. yd., ft. high; Piece No. 17, 376R, crevasse closure, 37,000 cu. yd., 20.7 ft. high.

Arkansas—War Dept. allotted \$50,000 for lock and dam in upper White River.

Arkansas—U. S. Engr. Office, McCall Bldg., Memphis, Tenn., has low bid from C. W. Hunter Co., 177 S. Front St., Memphis, Tenn., 5700 lin. ft. permeable dikes; from Wood Bros. Construction Co., Lincoln, Neb., for 5700 lin. ft. permeable crib dikes, in Mississippi River near Morgan Point.

Fla., Daytona Beach—City Comm. let contract to Southern Paving Construction Co., Volunteer Bldg., Chattanooga, Tenn., at \$72,518, for constructing 2 additional blocks of ocean boardwalk; 1287 ft. along beach.

Fla., Miami Beach—Miami—Ocean Beach Heights, S. M. Tatum, V-Pres., 1010 West Ave., Miami, receives bids Aug. 20 for 1,000,000 cu. yd. dredge and fill; start work Sept. 1; then take bids on approx. 500 lin. ft. pre-cast cone, type bulkhead; at later date take bids on 3 mi. paving, storm and sanitary sewers, curb and gutter; work including landscaping, etc., cost approx. \$750,000; C. G. Hanneck, Engr., Court House Bldg.

Fla., St. Petersburg—City, E. H. Lewis, Director of Public Works, considering \$406,000 bond issue; \$131,100 for improvements to north and south waterfronts; piers of rein. conc.; dredge channel and construct seawall.

Fla., West Palm Beach—Lake Worth Inlet Dist., A. S. Anderson, Chrmn., let contract to J. M. Cromer & Sons, Stypman Arcade, for laying 700 ft. track and other work at Palm Beach.

Louisiana—U. S. Engr. Office, foot Prytania St., New Orleans, La., has low bid from Grasser Contracting Co., Maritime Bldg., New Orleans, at 15.45 cents per cu. yd., for 1,880,000 cu. yd. levee, Bordelonneville-Hamburg levee, in West Protection Levee, Atchafalaya Basin.

Louisiana—U. S. Engr. Office, foot of Prytania St., New Orleans, La., opens bids Aug. 30 for 1,080,000 cu. yd. straight contract work, Red River, Atchafalaya & Bayou Boeuf Levee Dist., right bank Red River, Sandy Bayou, Laitanier Levee, Rapides Parish.

La., New Orleans—U. S. Engr. Office, foot of Prytania St., let contract to Donlitt & Ewin, Inc., Queen & Crescent Bldg., for constructing and installing service bridges and needles of Bonnet Carre Spillway, at \$193,933.

La., New Orleans—Donlitt & Ewin, Inc., Queen and Crescent Bldg., has sub-contract on Bonnet Carre Spillway for driving 11,000 pieces 70 ft. timber piling and constructing approx. 20,000 lin. ft. steel sheet pile bulkhead, piling ranging from 25 to 55 ft.; Stevens Bros., St. Paul, Minn., and Miller-Hutchinson Co., Ocean Springs, Miss., Gen. Contr.

La., Terry—Ch. of Engrs., U. S. Army, authorized 1,430,000 cu. yd. levee near here and Oak Grove; soon call for bids.

Mississippi—U. S. Engr. Office, P. O. Box 667, Vicksburg, opens bids Aug. 20 for 2,000,000 cu. yd. levee work on Mississippi River, Below Coahoma-Bolivar County Line Levee, Item 1, 365L, riverside enlargement, 1,393,000 cu. yd.; Black Bayou Levee, Item 13, 434L, riverside enlargement, 697,000 cu. yd.

Mississippi—U. S. Engr. Office, P. O. Box 667, Vicksburg, has following low bids for levee work, designated by name, yardage, bidder, price bid: Item 1, Below Coahoma Bolivar Co., 1,393,000, C. F. Lytle, Mexia, Tex., 2420 cents, alternate hydraulic bid, H. B. Blanks Tallulah, La., at 20 cents; Item 2, Round Lake, 1,306,000, E. F. Powers Construction Co., Harvey Bldg., West Palm Beach, Fla., 2788, alternate hydraulic bid, Orleans Dredging Co., Canal Bk. Bldg., New Orleans, La.; Item 3, Hurricane Point, 1,672,000, H. B. Blanks, 2652 cents, alternate hydraulic bid, H. B. Blanks, 18 cents; Item 4, Below Gunnison, 1,731,000, E. F. Powers Construction Co., 2687 cents, hydraulic bid, H. B. Blanks, 22 cents; Item 5, above Rose-dale, 1,433,000, Orleans Dredging Co., 3900 cents, alternate hydraulic bid, less (1232-1448) 979,000 cu. yd., Orleans Dredging Co.;

Item 7, above Beulah, 698,000, W. G. Somerville, Jr., Memphis, Tenn., 2447 cents, alternate hydraulic bid, H. B. Blanks, 20 cents; Item 8, Beulah to Lake Vermilion, 2,400,000, Lowrance Bros. & Co., Driver, Ark., 2447 cents, alternate hydraulic, 21 cents; Item 10, Buck Ridge, 729,000, T. W. Roach, Memphis Saving Bk. Bldg., Memphis, Tenn., 2539 cents; Item 13, Black Bayou, E. F. Powers Construction Co., 3240 cents, 6-13 and 6-27

Missouri—U. S. Engr. Office, McCall Bldg., Memphis, Tenn., let following contracts for following levee work, Birds Point-New Madrid Levee, designated by contractor, number, estimated net yardage, price: Clark Bros., Clinton, Iowa, 4-A, 1,990,000, \$0.1575; J. J. McCaughey, 205 W. Wacker Drive, Chicago, Ill. 4-B, 2,056,000; J. G. Yeates, 815 S. Rome St., Tampa, Fla., 4-D, 2,169,000, \$0.285.

Missouri—U. S. Engineer Office, Kansas City, has low bid from Massman Construction Co., 519 American Bk. Bldg., Kansas City, at \$380,673.98, for 3000 lin. ft. standard revetment in Missouri River at Delaware Bend.

N. C. Andrews—Dept. of Conservation and Development, J. S. Hargett, Asst. Director, Raleigh, plans constructing fish hatchery near here; also expand fishery at Lake James.

N. C., Morehead City—Bd. of Directors of Atlantic & North Carolina R. R. Co., R. G. Turnbull, Pres., Norfolk, Va., recommended expending about \$300,000 developing port.

Tenn., Chattanooga — Hamilton Hwy. Comm., E. G. Murrell, County Engr., drawing plans and call for bids in few days for \$340,000 Avondale tunnel through Missionary Ridge.

Tex., Dallas—City Plan Comm. submitted proposal to Mayor and City Commrs. for rebuilding subway from Ferris Plaza into lower part of passenger station and widening Houston street by cutting sidewalks.

Tex., Galveston—Ch. of Engrs., U. S. Army, authorized 766,000 cu. yd. levee work in Brazos river; soon call for bids.

Tex., Nacogdoches—Piney Woods Country Club increased capital, \$15,000 to \$25,000, for constructing concrete swimming pool.

Tex., San Antonio—City, C. M. Chambers, Mayor, plans \$15,000 electrical fountain, Alamo Plaza; J. Rubiola, Park Commr.

West Virginia—Dempster Construction Co., George Dempster, Pres., Springdale Ave., Knoxville, Tenn., has contract for 1000-ft. tunnel to connect lines of Chesapeake & Ohio Ry. and New York Central; started construction.

### Miscellaneous Enterprises

Ala., Dothan—B. B. Page acquired interest of H. C. Pilcher in Pilcher & Coe Marble Co., changed name to Houston Marble Co.

Ark., Stuttgart—Ed I. Myers Co., will install 15,000-egg electric hatchery; J. A. Jenkins, Local Mgr.

D. C., Washington—Waggoner & Brawner, Inc., 1760 I St., N. W., announced formation of Carpel Corp. by merger of following food distributing companies: Carpel Co., Inc., Washington; H. L. Carpel, of Baltimore, Inc., Baltimore, Md.; H. L. Carpel, of Richmond, Inc., Richmond, Va.; Food Products Co., Inc., Norfolk, Va.; H. L. Carpel to be Pres. of Bd. of Directors.

Fla., Bluffsprings—Gilmore Ice & Ice Cream Co., chartered; L. S. Gilmore, O. O. Tisdale.

Fla., Cottondale—Following, reported, have contracts in connection with extension of Marianna Lime Products Co., Marianna; Rails, Birmingham Rail & Locomotive Co.; misc. mill and hardware material, Woodward & Co., Ltd., New Orleans, La.; Diesel engine, Fairbanks, Morse & Co.; other equipment by Standard Equipment Co., Mobile, Ala. and Alabama Machinery & Supply Co., Dothan, Ala.

Fla., St. Petersburg—Arthur E. Smith and Fred L. King, Macon, Ga., acquired half interest in St. Petersburg Laundry, Haine Rd.; enlarging to provide employment for 25; changing name to Cleansah Soap & Laundry Co.

Fla., Tampa—American Cyanamid Co., 535 Fifth Ave., New York, recommended to stockholders increase in Class B common stock to 3,000,000 shares; special meeting of stockholders called for Aug. 19 at Portland, Maine, to consider stock increase; company to erect \$4,000,000 superphosphate plant here.

Fla., Wauchula — Adolph Hohensier, Los Angeles, Calif., Otis Sessler, George Williams, and L. H. Traylor, Sterling, Colo., considering locations for ice cream plant and creamery.

Ky., Louisville — Central Laundry, 1626 Mellwood Ave., acquired adjoining property, 1624 Mellwood Ave.; plans erecting \$20,000 plant.

Ky., Louisville—Sherman & Sons, Inc., J. Sherman, Pres. (Clothing Manufacturers), 815 W. Market St., acquired 3-story plant, Brook St., bet. Hill and Gaubert St.; plans expending \$50,000 for equipment.

La., Bastrop — Three Rivers Glass Co., Three Rivers, Tex., acquired glass plant of Frost-Whitel Investment Co.; resume operations soon; move offices to Dallas, Tex., from Three Rivers.

La., Lake Charles—Bain Bros. Packing Co., W. F. Bainfield, Pres., Tulsa, Okla., closed contract with Association of Commerce for \$50,000 abattoir and rendering plant; initially employ 20.

La., Monroe—Brown Paper Mill Co., Inc., H. L. Brown, Pres., reported, let contract to Morton C. Tuttle Co., Boston, Mass., for \$4,000,000 addition to double capacity of plant, consisting of 10 building, constituting additions to practically every department of mill; house 2 new paper machines with appurtenant equipment.

Md., Baltimore—American Bitumuls Co., R. H. Morton, V-Pres. (Asphalt emulsions), 563 Marke St., San Francisco, Calif., erect \$10,000 plant by own force; private plans.

Md., Baltimore — Leone Contracting Co., 2231 Walbrook Ave., incorporated; John Leone.

Md., Baltimore—Timber Grove Dairy, Inc., 1101 S. Streeper St., incorporated; George J. Grim.

Md., Cumberland—George F. Hazelwood, Perrin Bldg., has following contracts at Amcelle chemical plant of Celanese Corp. of America, 156 26th St., New York: Solvent recovery building No. 2, \$150,000, conc., tile, steel, 77x120 ft., 3-story, gypsum roof deck, built-up roof, steel sidewall sash; machinery house platforms, approx. \$25,000, miscellaneous equipment foundations and interior platforms in power group machinery house; sump house and water intake, approx. \$45,000, rein. conc. intake, reinforced sump house with rein. conc. pipe sluices.

Mo., Bethany — Company to be formed, care F. P. Robinson, Atty., Maryville, contemplates erecting \$40,000 milk condensery; 2-story; Douthitt Engineering Co., Engr., 139 N. Clark St., Chicago, Ill.; R. T. Numamerker, Archt., Tyler.

Mo., Cape Girardeau—Individual Mausoleum Co., capital \$10,000, incorporated; M. G. Lorberg, Pres.; Charles Koessel, V-Pres.; temporarily operate in building occupied by Lorberg Furniture & Undertaking Co., S. Sprigg St.; probably erect plant later.

Mo., Kansas City—Nut-O-Meat Co., 407 Broadway, capital \$100,000, incorporated; Gordon P. Case, 1016 Central St.; fruit products, cereals, nuts, etc.

Mo., Kansas City—Crowe Bakery Co., capital \$100,000, incorporated; Martin J. Crowe, Jr., 5129 Wyandotte St.

Mo., Kansas City—Cherry Laboratories, Inc., capital \$75,000, chartered; Fred A. Fox, 4900 Woodland St.

Mo., St. Louis—Elmore Centrifugal Products Corp., recently formed with G. H. Elmore, Pres., John A. Love, Chmn. of Bd., of Love, Bryan & Co., 400 Pine St.; will acquire business G. H. Elmore, engineers of Philadelphia, Pa.; establish laboratory, 6527 Manchester Ave.; developing solid bowl type machine to separate liquids from solids by continuous process, and counter current continuous washing machines; made working agreement with Scullin Steel Co., 6700 Manchester St., for manufacturing machines, special tools to be installed for this purpose.

Mo., Warrensburg—Conservation Laboratories, Inc., capital \$30,000, chartered; T. H. Boyd, W. P. Dunlap.

N. C., Charlotte—Charlotte Electric Supply Co., has plans for 1-story plant; cost \$24,000 with equipment.

N. C., Clinton—North East Naval Stores Co., formed by S. H. Finch, C. S. Royal, H. B. Wadsworth and G. W. Fleming, to work turpentine rights from timber owned by North East Land & Timber Co., Inc., New Hanover County, consisting of about 6000 acres, estimated at 20 to 30 crops of 10,000 boxes each; install modern cupping system; large capacity still with necessary houses, commissary, etc. being erected; initial cost approx. \$25,000; H. B. Wadsworth to have charge of operations and be general manager.

N. C., Durham—City Baking Co., capital \$15,000, incorporated; W. Otto Moss, J. R. Joyner.

N. C., Greensboro — Paris & Benson Laundry, Inc., capital \$100,000, chartered; C. H. Benson, High Point Rd.

Okla., Altus—Harrington Wimberly, Editor, Altus Publishing Co., Inc., Altus, Okla., advises Pulliam Publishing Corp., Lebanon, Ind., Delaware corporation, acquired Altus Times-Democrat, Mangum Star, Hobart Democrat-Chief, Elk City News-Democrat and Alva Review-Courier, all Oklahoma properties, and Linton Daily Citizen and Lebanon Reporter, Indiana newspapers; Mangum and Elk City, weekly newspapers, to be dailies; install machinery where needed. (See Hollis, 8-1.)

Okla., Bartlesville — Western Creameries Co. expend \$25,000 enlarging recently acquired creamery.

Okla., Henryetta—Muskogee Iron Works, Muskogee, Okla., has contract at about \$250,000 for steel for plant of Pittsburgh, Plate Glass Co., Frick Bldg., Pittsburgh, Pa.; S. W. Bellows, Herskovitz Bldg., Oklahoma City, and Rust Engineering Co., 606 Grant St., Pittsburgh, Pa., Contrs. 6-27

Okla., Oklahoma City—Universal Spray Mfg. Co., capital \$50,000, incorporated; R. S. Randerson, Perrine Bldg.; manufacture mechanical spraying device.

S. C., Greenville—R. F. Nash construct sand and gravel distributing plant.

Tenn., Kingsport — Tennessee Eastman Corp., James C. White, Gen. Supt., let contract to Pyle Bros. Construction Co., Kingsport, for office-laboratory for cellulose acetate unit; 30 x 100 ft., steel, brick, conc. 8-8

Tenn., Knoxville—S. H. Liebovitz & Sons, Inc., 116 Jackson St., plans enlarging shirt plant; erect 2-story, modern plant, Magnolia Ave. and Bertrand St.; increase number employees, 200 to 2000.

Tenn., Nashville—Southern Insurance Co., 128 Eighth Ave., N., Nashville, reported, merged with Citizens Life Insurance Co., Huntsville, Ala., involving over \$300,000.

Tex., Dallas—Acme Screen Co., 915 S. Pack St., increasing capital, \$50,000 to \$100,000.

Tex., Fort Worth—Family Home Laundry Co., capital \$10,000, incorporated; R. M. Russell, Medical Arts Bldg., Gertrude A. Lange.

Tex., Fort Worth—Insurance Securities Co. organizing Union Title & Trust Co. to be merger of Guaranty Abstract & Title Co., San Antonio; Texas Union Title & Guaranty Co., Dallas, and Ross Title Insurance Co., Fort Worth; begin with capital of \$600,000, represented by 300,000 shares first preferred 7% stock.

Tex., Galveston—Texas Indemnity Insurance Co., J. F. Sensesheimer, V.-Pres., 2326 B. St., increasing capital, \$100,000 to \$200,000.

Tex., Goose Creek—Tribune Holding Co., E. H. Bell, Pres. and Mgr., erect \$10,000 printing plant; 1-story, rein. conc. tile, stucco, conc. floors, wood roof, orna. tile, built-up asphalt roof, 42x90 ft., Spanish type; plans complete, no contracts awarded; Eugene B. Church, Archt., 414 First Natl. Bk. Bldg., Houston.

Tex., Houston—Burkhart's Laundry & Dye Works, 1702 Congress Ave., acquired property adjoining present plant, for expansion.

Tex., Houston—L. S. Bosworth Paper Co., 520 Preston St., let contract to E. G. Maclay Co., Post-Dispatch Bldg., at about \$27,000 for building, 1512 Center St.; 2-story, 50x125 ft., conc., cement tile, stucco front.

Tex., Houston—Air Terminal Contractors, Inc., capital \$100,000, chartered; Fred S. Willbur, 2513 Yupon St.

Tex., Houston — Shepherd's Laundries, Harvey M. Shepard, 725 Washington St., plans \$40,000 addition to plant.

Tex., Lufkin—Chamber of Commerce interested in establishing creamery and cheese plant.

Tex., San Antonio—Union Title & Trust Co. formed by merger of Guaranty Abstract & Title Co., San Antonio; Ross Title Insurance Co., Fort Worth, and Texas Union Title & Guaranty Co., Dallas.

Tex., San Antonio—Southwestern Newspapers, Inc., capital \$105,000, chartered; E. W. Turner, Alfred J. Schmidt, 347 Vine St.

Tex., San Antonio—Southwest Dairy Products Co., E. T. Laubscher, V.-Pres. and Gen. Mgr., P. O. Box 1356, let contract to W. C. Thrallkill, Real Estate Bldg., at \$77,777, for creamery, 120 Josephine St.; plumbing and heating to Jud & Ormond, 703 N. Flores St., at \$4161; wiring to Loyd-Peale-Dittmar Electric Co., 1205 E. Houston St., at \$2001; Matthews & Kenan, Engr., Smith-Young Tower; Adams & Adams, Archt., Real Estate Bldg. 8-8

Tex., Smithville—T. E. House and asso-

ciates leased Colorado Valley gravel pit; begin operating plant immediately.

Tex., Spring—Bayer Excelsior Mfg. Co. plans enlarging plant.

Tex., Wichita Falls—City, George D. Fairtrace, Mgr., receives bids Sept. 16 for 14 traffic signals.

Tex., Yoakum—Swift & Co., Union Stock Yards, Chicago, Ill., arranged to acquire Texas Wholesale Co. property; erect modern cold storage and packing house; handle eggs, dressed chickens, turkeys, milk and cream; employ 75 to 100.

Tex., Yoakum—Home Steam Laundry, F. A. Kallus, erect \$12,000 brick laundry building; clearing site.

Tex., Yoakum—F. A. Kallus let contract to F. O. Crawford for laundry; 1-story, brick, conc., 50 x 70 ft.; started construction; private plans.

Virginia—Skyland Highway Development Co., J. L. Mauring, Middleboro, Ky.; C. J. Dawson, J. C. Donohue and Matt Chilton, all Louisville, Ky.; expend approx. \$3,000,000 developing resort and summer playground, Cumberland Gap, including hotel, aerial tramway, with car accommodating 20 people; preserve ancient fortifications built on top of mountain; drill well; open cave.

Va., Alexandria — U. S. Creamery, Inc., capital \$50,000, chartered; Evert R. Messick, 1405 Spring Rd., N. W., Washington, D. C.

Va., Fredericksburg — Sylvania Industrial Corp., Roger N. Wallach, Chanin Bldg., 122 E. 42nd St., New York, advises completed plans for plant to manufacture transparent paper; acquired exclusive licenses from European patentees; railroad sidings in place and actual construction to start in few days; let contract to Hughes-Foulkrod Construction Co., 321 Seventh Ave., Philadelphia. 5-30

Va., Clarendon—Printing and Publishing—Arlington Times Corp., capital \$18,000, incorporated; R. Doyle Reeves.

Va., Richmond—R. T. Lipscomb, of Engineering and Security Service Corp., announced Toy & Specialty Mfg. Corp., capital \$50,000, formed by merger of plants of Bruner Lumber Co., Roane St. and S. A. L., and Berger Specialty Mfg. Co., 2008 E. Main St.; manufacture toys and light fabricated steel and nickel products; also special device for use in landing airplanes, invented by George H. Davis, 10 S. Addison St.; immediately install new machinery and equipment in both plants; employ about 100.

W. Va., Fairmont — Fairmont Mfg. Co., reported, installing electric furnaces and rolling mills to increase production of duralumin sheets for airplane construction.

W. Va., Fairmont — Beauty Denture Co., capital \$200,000, incorporated; Dr. R. A. Stehley, 330 Adams St.; manufacture Alcolite, plastic material used as base for artificial teeth.

W. Va., Kenova—Champion Switch Co., George L. Carlisle, Gen. Mgr., completing plans for doubling floor space of plant; cost \$25,000; to be complete by Sept. 1.

W. Va., Morgantown—Charles Greenberg, (Shirt Manufacturers), 485 Broadway, New York, establish plant in 2-story building.

W. Va., Point Pleasant—Marietta Mfg. Co. rebuilding boat building plant damaged by storm.

### Motor Bus Lines and Terminals

Ky., Albany—Red Line Transportation Co., Cookeville, Tenn., authorized by Commr. of Motor Transportation, Frankfort, to operate bus line between Cookeville and Albany on daily schedules.

Md., Baltimore—Blue Ridge Transportation Co., Liberty & Redwood Sts., acquired Conaway Motor Co., operating bus lines between Gettysburg, Pa., and Baltimore, and Gettysburg and Winchester, Va., via Frederick, Va.

Mo., Kansas City—General Cab Co., V. C. Shaffer, Los Angeles, Calif., establish taxicab business; negotiating to lease building, 3024 McGee St., to house cabs and offices; R. J. McMurray manage local agency.

Mo., University City—Interurban Motor Bus Service, Inc., capital \$25,000, chartered; Fred A. Gossom, 6104 Easton Ave., St. Louis.

Tex., Dallas—Following applied to Railroad Comm. for permits to operate bus lines; A. F. Townsend, Dallas to Fort Worth; Southwestern Transportation Co., Rector Bldg., Little Rock, subsidiary St. Louis Southwestern Ry. Co., D. Upthegrove, Pres., St. Louis, Mo., Dallas to Farmersville via Wylie, Gladewater to Gilmer via Big Sandy, and Naples to Maud via Bassett; H. G. Woodruff, Dallas to Carrollton; W. Morten,

Jacksboro to Seymour; B. J. Horton, Daingerfield to Mount Pleasant; E. W. and A. P. O'Daniel, Corsicana to Palestine via Wildcat Ferry; W. S. White and T. J. Ramey, Cooper to Mineola via Sulphur Springs; C. M. Han-non, Greenville to Wolfe City; J. H. Threadwell, Childress to Paducah.

Tenn., Knoxville—Knoxville Power & Light Co., Fred Underwood, Gen. Mgr., let contract to General Motors Corp., Detroit, Mich., for 5 automobile buses, 21-passenger. 5-2

Tex., San Antonio—San Antonio Public Service Co., W. B. Tuttle, Pres., establish bus service, Market and S. Presa St. to Bailey and Nopal St., to be known as Highlands line.

Tex., Sweetwater—Concho Coaches, Inc., capital \$20,000, chartered; Lem Herrin, T. J. Asster; operate bus lines.

### Motor Cars, Garages, Filling Stations

Ark., Fordyce — Transcontinental Oil Co., Ritz Bldg., Tulsa, Okla., care A. A. Cunningham, Local Mgr., acquired site, Second and Spring St., for \$10,000 filling station; 1-story, brick, conc., comp. roof, conc. floor and foundation, struc. steel.

Ark., Hot Springs—Firestone Tire & Rubber Co., Akron, Ohio, acquired site for filling station and sales building, Ouachita Ave. and Olive St.

Fla., Starke—Torode-Ritch Chevrolet Co., capital \$15,000, incorporated; J. H. Ritch, Pauline Torode.

Fla., West Palm Beach—T. & H. Tire Co., incorporated; C. A. Tharp, 219 Greyman Drive.

Ky., Louisville—Swartz, Clifford & Scott, St. Matthews, let contract to George H. Rommel Co., 958 Logan St., for \$65,000 garage, Frankfort and Keatts Ave.; 1-story and basement, 113x195 ft., steel, rein. conc.

Louisiana—Louisiana Oil Refining Corp., M. J. Grogan, Pres., Shreveport, acquired by purchase or lease following properties during 6 months ended June 30: Arkansas, 3 bulk plants and 3 filling stations; Louisiana, 2 bulk plants and 6 filling stations; Mississippi, 6 bulk plants and 20 filling stations; Texas, 2 bulk plants and 3 filling stations; signed contracts whereby, in next few weeks will acquire in addition, 22 bulk plants and 143 filling stations in Mississippi and 3 bulk plants and 3 filling stations in Arkansas.

La., Bunkie—Bunkie Motor Co., Inc., capital \$25,000, chartered; T. M. Matthews, B. S. Randol.

La., Monroe—T. E. Flournoy broke ground for salesroom building, 1700 block Grand St.; 75x140ft.; Spanish type; completion in 60 days; to be occupied by N. F. Jones, Inc., Packard and Hupmobile agents, McGuire Bldg.

La., New Orleans—Select Tire Service Co., Inc., completing plans and soon call for bids for \$25,000 tire service station, Camp and Julia Sts.; 128x60 ft., rein. conc. brick, tile, comp. roof, steel and iron work, sheet metal work, steel sash, millwork, plate glass; Favrot & Livaudais, Archt., Hibernia Bldg.

La., New Orleans — Jas. Gagliano, 717 Adams St., has contract for oil station, Maple and Adams St.

La., Shreveport—Howard Motor Co., 1309 Texas Ave., let contract to K. C. Wilson, Slattery Bldg., for automobile building, Crockett St.; Olschner & Weiner, Archt., Ardis Bldg. 8-8

Md., Baltimore—Sherwood Bros., Inc., Continental Bldg., opens bids Aug. 16 for filling station, Light and York St.; 1-story, 35x70 ft., brick, conc. floors, steel deck roof; Clyde N. and Nelson Friz, Archts., Lexington Bldg.

Md., Baltimore—Gullford Realty Co., 3330 St. Paul St., acquired Mid-City Garage, 27-29-31 S. Charles St.; plan improvements; Palmer & Lamdin, Archts., 513 N. Charles St.

Md., Baltimore—Standard Oil Co. of N. J., local office, St. Paul and Franklin St., erect \$10,200 filling station, 630 W. 33d St.; 26x77 ft.; owner builds; private plans.

Mo., Cape Girardeau—Kelso Oil Co., E. C. Smith, Gen. Mgr., 510 N. Main St., let contract to Anton Haas, 217 S. Spring St., for \$20,000 service station and restaurant, W. Broadway and Route 61; Reither & Lindsay, Archt., H. & H. Bldg. 6-13

Mo., Kansas City—Balfour Realty Co., R. L. Nafziger, Pres., 4545 Kenwood St., constructing garage, 14th St. and Baltimore Ave.; 3-story, and basement, 107 x 157 ft., foundation for 10 stories laid; McKecknie & Trask, Archts., Bd. of Trade Bldg.

Mo., Kansas City—White Eagle Oil & Refining Co., Federal Reserve Bk. Bldg., establish filling station, 63rd and Harrison Sts.

Mo., St. Louis—J. D. Perry Francis, 20 Portland St., has permit for \$10,000 garage,



20 Portland St.; 2-story, 31x26 ft., slate roof; Dickie Construction Co., Contr., Louderman Bldg.; LaBeaume & Klein, Archt., American Trust Bldg.

Mo., St. Louis—Rapid Service & Parts Co., 2501 S. Broadway, capital \$10,000, chartered; Charles Dapron, 1501 N. 54th St., East St. Louis, Ill.

N. C., Charlotte—McDonald Service Co. receiving bids, no date set for closing, on 2 service stations; M. R. Marsh, Archt., Builders Bldg. 6-27

Mo., Kansas City—Moke Auto Steam Cleaning Co., 1405 E. 15th St., establish filling station, 1405 E. 15th St.

Okla., Comanche — Comanche Auto Co., capital \$20,000, incorporated; C. E. Bonowite, John A. Ralls.

Okla., Oklahoma City—J. B. Garrison, 633 E. 14th St., announced erect \$60,000 building, 10th and Broadway, to be leased to Graham Paige Motor Co., Charles T. Boulware, 820 N. Broadway; construction to start about Sept. 1; completion by Nov. 28.

Tenn., Lexington—J. D. Porter completing plans for \$20,000 garage and store; 1-story, conc. units; John F. Parish, Archt., McCowart Mercer Bldg., Jackson. 7-18

Tenn., Nashville—Second National Garage, Inc., being formed by R. R. Ogilvie, American Tr. Bldg., E. B. Craig, of National Life & Accident Insurance Co., 301 Seventh Ave., and associates; let contract to John Oman, Jr., Chamber of Commerce Bldg., for \$600,000 storage garage, Seventh and Polk Ave.; 100x190 ft., 5-story, roof garden; filling station to accommodate 25 automobiles at one time; repair shop with wash rooms; rein. conc., steel, steel frames and sash, faced brick, stone trim, fireproof throughout; Hart, Freeland & Roberts, Archts., Independent Bldg.

Tex., Amarillo—Louis H. Smith, Inc., capital \$150,000, chartered; Louis H. Smith, 210 W. Sixth St., erect master superservice station, 10th and Tyler St.; service include gasoline oils, tires, washing, greasing, battery and brake service; purchased drum-truing machine for brake service; Barry & Hatch, Archt., Oliver Erkle Bldg.

Tex., Beaumont—F. W. Kreiter Battery Co., Main and Walnut Sts., call bids within 2 weeks on \$75,000, 3-story addition to building.

Tex., Austin — Henry Wukasch, 104 W. First St., erect filling station, 26th and Guadalupe St.

Tex., Austin—W. L. Bradfield and G. H. Brush, both Scarbrough Bldg., considering erecting filling station and tire shop, W. 11th St. and Lavaca.

Tex., Austin—M. C. Parrish, University Bk. considering filling station, 25th and Whitis St.

Tex., Beaumont—F. W. Kreiter, Mount & Walnut Sts., erect \$40,000 superservice station.

Tex., Dallas — McCollister Chevrolet Co., capital \$80,000, incorporated; I. L. McCollister, 706 Ridgeway St.

Tex., Devine—Gulf Refining Co., Frick Bldg., annex, Pittsburgh, Pa., and Gulf Bldg., Houston, rebuild warehouse and install 2 large tanks for filling station.

Tex., Pelly—Moore Motor Co. erect \$18,000 salesroom and store building.

Tex., Sulphur Springs—Irvin-Masters Chevrolet Co., capital \$20,000, incorporated; W. O. Irvin, I. T. Masters.

Va., Pulaski—Pulaski Motor Corp., Fred Cole, Radford, acquired Pulaski Motor Car Co., Ford dealers.

Va., Pulaski—Pulaski Motor Co., Inc., capital \$50,000, chartered; Fred N. Cole, Radford.

Va., Staunton—Wilson-Holt, Inc., capital \$25,000, chartered; Earl Wilson; automobile business.

W. Va., Grafton—Tygrats Valley Chevrolet Co., capital \$10,000, incorporated; G. E. Bailey, Simpson; F. C. Payne, Grafton.

W. Va., Parkersburg—Standard Oil Co. plans starting work within next 2 months on addition to service station, Seventh and East St.; install equipment for testing brakes, washing, tire repairing, etc.

### Railways

Fla., Mayo—E. W. Parker, 305 Cass St., Tampa, has contract for new Mayo and Cook's Hammock R. R. in North Florida, 15 mi., Mayo to Cook's Hammock; cost approx. \$200,000. 7-25

La., Delta Point—See Vicksburg, Miss.  
Miss., Vicksburg—Illinois Central System,

A. F. Blaess, Ch. Engr., Chicago, Ill., authorized constructing new tracks here and at Delta Point, La., costing approx. \$85,000; construct second main track 6280 ft. long on Mississippi side of river; construct 5000-ft. passing track at delta point, costing approx. \$32,000; J. M. Chandler, Supt., Vicksburg Div.

Mo., Eureka—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, reported, let contract Winston Bros. Co., Minneapolis, Minn., and List Construction Co., Railway Exch. Bldg., Kansas City, for second main track between Eureka and Lake Hill, 10.4 mi., also involves construction of cut-off between Eureka and Jedberg, raising new and old main tracks above high water and elimination of 3 highway grade crossings; reported, to involve \$4,350,000. 7-11

Tex., Matador—Quana, Acme & Pacific Ry. Co. H. Sommer, Pres., Frisco Bldg., St. Louis, Mo., authorized by Attorney General's Dept. to extend Matador branch 15 mi. northwest from here.

Tex., Menard—St. Louis-San Francisco Ry. Co., J. M. Kurn, Pres., St. Louis, Mo., advises, "We have no plans at this time looking toward extension of Fort Worth and Rio Grande from Menard to San Antonio." 8-8

Tex., Presidio — Kansas City, Mexico & Orient Ry. Co. of Texas, subsidiary of Atchison, Topeka & Santa Fe Ry. Co., G. W. Harris, Ch. Engr., 80 E. Jackson Blvd., Chicago, Ill., let contract to List Construction Co., Ry. Exchange Bldg., Kansas City, Mo. for line, Alpine to Presidio. 6-20

### Railway Shops and Terminals

W. Va., Elk—Chesapeake & Ohio Ry. Co., C. W. Johns, Ch. Engr., Richmond, Va., advises, "We have no authorization for the construction of engine terminal at Elk." 8-1

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

#### Proposed Construction

Ala., Birmingham—City Comm. plans expending \$47,705 to pave about 9 streets, including Forty-third Ave., Eighteenth St., Eightieth Place; A. J. Hawkins, City Engr.

Ala., Gadsden — City Council considering paving Broad St., Second St. to Coosa River traffic bridge.

Ala., Gadsden—City plans paving approach to Broad St. traffic bridge, from First St.; probably pave Broad St., Second to First; plans water and sewer improvements.

Ala., Mobile—Mobile County Bd. of Revenue and Road Commrs., E. C. Doody, Clk., receives bids Aug. 26 for 11,187 sq. yd. one course conc. paving on 3 roads: Hillwood road, from Old Shell road to south line of Lots 21 and 31, Hillwood Subdivision; Country Club road, Hillwood road to Union Church road; Club Dr., from Country Club road to private entrance to Country Club.

Ala., Montgomery—City, W. L. Jackson, Clk., plans re-surfacing Martha St.; J. M. Garrett, City Engr.

Ark., Corning—Clay County plans expending \$18,000 for 4 mi. highway, providing Success and Palatka with outlets.

Ark., Malvern — City Council approved ordinance to create 2 special paving districts, to pave Page Ave., Eastern city limits to Stanley St.; Stanley St., Sullenberger St. to city limits.

Ark., Jonesboro—City plans paving South Culberhouse St., Nettleton to Flint, and Cherry, Elm, Poplar and Strawn St., between Culberhouse and Flint; Guy Cobb, Engr.

Fla., Kissimmee—State Road Dept., Robt. W. Bentley, Chmn., Tallahassee, receives bids in Aug. to hard surface road from St. Cloud to Holopaw, Osceola County.

Fla., Miami Beach, Miami—See Miscellaneous Construction.

Fla., Miami Beach—City, C. W. Tomlinson, Clk., receives bids in few weeks for 2600 lin. ft. sidewalks on Dade Blvd.

Fla., Miami—City, Welton A. Snow, Mgr., receives bid from Tri-State Construction Co., Fort Lauderdale, to pave S. W. Fiftieth Ave., and Northwest Fifty - seven - Fifty - eight courts. 7-25

Fla., Tampa—Hillsborough County Commrs. will build hard-surfaced roads on both ends of proposed causeway across Hillsborough

Bay, from Gadsden's Point on Interbay peninsula to east side of bay near Ruskin, to connect with present county highways; Tampa Subway Corp., Alonzo B. McMullen, Atty., promoters of proposed causeway and tube.

Ga., Athens — City considering opening street from Oakland Ave. to Woodlawn Ave.; extend Rutherford St. from Milledge to intersect with new street.

Ky., Catlettsburg — City, Robert Owens, Mayor, considering repaving with brick or conc., and widening about 8 ft., Center St.

Ky., Owensboro—State Highway Comm., Frankfort, plans 10 mi. shaded limestone rock over present gravel surface, and heavy asphaltic oil spread on federal highway No. 60, east of Owensboro, from end of asphalt road to Hancock County line; J. S. Watkins, State Highway Engr.

Louisiana—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, received low bid for 2 levee highways: St. James Parish—3.58 mi. shell, Litcher-Angellina Highway, J. H. Newton Construction Co., Amite, \$15,515; Concordia Parish—7 mi. gravel, Forest Home Highway, William Junkin, 107 St. Charles Ave., Natchez, Miss. 8-8

Louisiana—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, receives bids Sept. 3 for 5 roads, bridges, etc.: East Baton Rouge Parish—20 mi. Baton Rouge-New Orleans Airline Highway; drainage structures on Frenier-New Orleans section of Hammond-New Orleans Highway and bridge on St. Charles Parish section Baton Rouge-New Orleans Airline Highway; Washington Parish—drainage structures on Angle State Line Highway; Claiborne Parish—190-ft. creosoted pile trestle, Athens-Gibbsland Highway; Cameron Parish—25.94 mi. surfacing, draining Sulphur-Cameron Highway; East Feliciana and St. Helena Parishes—1.9 mi. road, Greensburg to Baton Rouge; also 4 bridges; Vermillion Parish—7.5 mi. highway, Forked Island to Esther; W. H. Norckauer, State Highway Engr.

La., Alexandria — City, J. H. Brewster, Sec., receives bids Aug. 19 for conc. sidewalks, cement curbs, on Fifteenth St. Levin St. to Gould Ave.

La., Bossier City—City received low bid from Natten & Murtishaw, Homer, \$23,435, for reinforced concrete paving, etc., Delhi St. Traffic to Hamilton road; Chas. D. Evans, Const. Engrs., Shreveport. 7-11

La., Baton Rouge — Louisiana Highway Comm., O. K. Allen, Chmn., receives bids Sept. 3 for 1.075 mi. 20-ft. Portland cement conc. paving, etc., on Route No. 174, University Extension to Park Blvd., Highway, East Baton Rouge Parish; W. H. Norckauer, State Highway Engr.

La., Harrisonburg—Bd. of Supvrs., Sub-Road Dist. No. 6, Catahoula Parish, receives bids Aug. 26 for 6.5 mi. grading, draining, gravel surfacing, Wallace Ridge Highway; cost about \$15,000; W. F. Cooper, Res Engr.

La., Monroe—Ouachita Parish Police Jury plans expending \$300,000 to rebuild Sterlington road, in Sub-Road Dist. No. 3, Ward, No. 1; \$50,000 for detours. See Financial News Columns. 7-25

La., New Orleans—City plans 33 streets permanent paving and 10 streets temporary surfacing.

Maryland—State Roads Comm., G. Clinton Uhl, Chmn., Baltimore, receives bids Aug. 20 for 5 roads and bridge: Anne Arundel County—1.8 mi. conc., St. Margaret's road, end of Cont. AA-53 to Skidmore, Cont. AA-71; Howard County—2.5 mi. conc. shoulders, Baltimore-Washington Blvd., end of Cont. Ho-61, Trinity Church, toward Elkridge, Cont. Ho-64; Kent County—3.7 mi. conc., from Fair Lee road, through Broad Neck, Cont. K-40; 3.7 mi. conc., end of Cont. K-24, Pomona, through Quaker Neck, Cont. K-41; Somerset County—1.17 mi. conc., end of Cont. S-29, Princess Anne-Mt. Vernon road, toward Mt. Vernon, Cont. S-35; Baltimore County—single 109-ft. span steel and conc. Vinegar Hill bridge over B. & O. R. R. Co. tracks, Baltimore-Washington Blvd., north of St. Denis; L. H. Steuart, Sec.

Md., Baltimore—City, Bd. of Awards, receives bids Aug. 29 to grade curb and pave with cement conc., streets in Street Cont. No. 533, 12,400 sq. yd.; 11,635 sq. yd. paving, Alley Cont. No. 136; Nathan L. Smith, Highway Engr.

Md., Baltimore — City, Bd. of Estimates, plans expending \$33,000 to pave sections of 7 streets, including Asbury, Lyman, Markland Ave.; \$24,500 to pave alleys in various sections; Nathan L. Smith, Highways Engr.

Md., Brunswick — Town, Albert Orrison, Mayor, plans expending \$20,000 for street improvement. See Financial News Columns.

Md., Glenburnie—State Roads Comm., G.

Clinton Uhl, Chmn., Baltimore, received low bid from Christhill & Ensey, 1625 Ridgely St., Baltimore, \$11,400, for ¼ mi. 20-ft. wide conc. cut-off road, Glenburnie, from Annapolis Blvd. and Fourth St. to Annapolis Blvd. and O St.; L. H. Steuart, Sec. 8-1

Miss., Booneville—City, Mayor and Bd. of Aldermen, receives bids Aug. 20 for 2,500 cu. yd. excavation, 2,000 lin. ft. curb and gutter, 1,400 sq. yd. conc. alley-way paving, 4,500 sq. yd. limestone rock asphalt paving, sanitary and storm sewers.

Miss., Hazlehurst—Town, C. O. McKinnell, Clk., receives bids Sept. 3 for 33,000 sq. yd. paving, 13,188 cu. yd. grading, 14,170 ft. curb and gutter, sanitary sewer connections, 2990 lin. ft. 12 to 30-in. storm sewer pipe, manholes, inlets; Cutley-O'Brien Engineering, Inc., 206 Lampton Bldg., Jackson.

Miss., Laurel—City, Mayor and Bd. of Aldermen, receive bids Aug. 19 for cement sidewalks, grading, curb, gutter, sewers, and brick, oil, lake sheet asphalt, asphaltic conc., Portland cement conc., Vibrolithic conc., or hot mix bit. limestone rock asphalt paving on various streets; O. W. Buntyn, Street Commr.

Miss., McComb—City, B. E. Butler, Clk., plans receiving bids in Aug. for 7 streets and avenues, including Seventh, Sixth St.; Missouri, Nebraska Ave.

Miss., Vicksburg—Warren County Bd. of Supvrs. expending \$100,000 to build and gravel 18 mi. permanent highway, from intersection of Eagle Lake road and novaculite road, to Eagle Lake, then to Brunswick, and 6 mi. along lake front. See Financial News Columns.

Mo., Clayton, St. Louis—St. Louis County, Walter E. Miller, Clk., receives bids Aug. 21 to improve Delmar, between North and South road and Hanley road; Roy Jablonsky, Highway Engr.

Mo., Independence—Jackson County Court received low bids for 7 roads and 2 bridges, totaling \$1,277,478; 12.2 mi. Blue Ridge extension road, Raytown to Martin City, Cameron-Joyce-Smith-Elder Construction Co., Keokuk, Iowa, \$426,144; 9 mi. Blue Springs road, north from U. S. Highway 40 to Highway No. 24, same company, \$266,535; 4.8 mi. Oak Grove road, Sni-Mills road to U. S. No. 50, C. H. Atkinson Paving Co., Omaha, Neb., \$151,725; at \$159,599, for 5 mi. Oak Grove road from Mecklin school to Levasy road; at \$129,059, for Spring Branch road, from Mecklin school to Grain Valley-Buckner road; from E. D. Tyler Construction Co., 14th & Elmwood Sts., Kansas City, \$94,983, to pave Independence road, Lees Summit road to Jackson County Home for Aged; from Hyman-Gadinsky Construction Co., \$34,893, grading, Blue Springs-Tarsney road, Colburn road south; Rand-Miller Construction Co., \$14,640, for 2 bridges on Blue Springs road, between U. S. 40 and U. S. 24. 7-25

Mo., Joplin—City, O. P. Mahoney, Commr. of Streets, receives bids Aug. 27 for 3800 sq. yd. 6-in. plain conc. paving, Empire Ave.; S. P. Ashcraft, City Engr. 8-8

Mo., Holden—City Council plans grading, oil and chat surfacing, 18-ft. roadway on various streets.

Mo., Joplin—City, O. P. Mahoney, Commrs. of Streets, plans paving with conc., Grand Ave., Fourth to Sixth, and Fifteenth to Nineteenth.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, considering brick, conc. or asphaltic conc. pavement on McGee road, Pershing road to Thirtieth St.; 8-in. conc. pavement and curbing on Oak St.; improving Flaro Ave. and Sixtieth St.

Mo., Mexico—City Council plans expending \$20,000 for improvements, including repaving with 7-in. rein. conc., Audrian County courthouse square.

Mo., St. Charles—City Council will pave Gallaher Ave.

Mo., St. Louis—City, Bd. of Public Service, receives bids Aug. 20 to improve Kingshighway, Northwest, Eichelberger St.

Mo., St. Louis—State Highway Comm., Jefferson City, plans State Road from St. Louis, through DeSoto, Jefferson County to Highway No. 21; T. H. Cutler, State Highway Engr.

Mo., St. Louis—City, Bd. of Public Service, receives bids Aug. 27 to improve January Ave., King highway, Bircher-Kingshighway, and roads in Penrose Park.

Mo., St. Louis—City, Bd. of Public Works, receives bids Sept. 3 to rebuild Thirteenth St. from point near Locust to Lucas.

N. C., Asheville—Buncombe County Commrs., Newton M. Anderson, Chmn., receive bids Aug. 19 for 3.75 mi. grading, top-soiling Concord road, through Merrill's Cove, connect-

ing with Mills Gap road, 16,504 cu. yd. excavation, 6x10 ft. steel and conc. culvert; cost \$11,000.

N. C., Concord—City, Bd. of Aldermen, considering widening West Depot St., 16 ft. from M. L. Marsh property to North Union St.

N. C., Durham—City, R. W. Rigsby, Mgr., plans grading and paving Anderson St., Chapel Hill St. to Duke University Drive; engineer to prepare plans.

N. C., Lenoir—Town, A. W. Green, Clk., receives bids Sept. 6 for 1,000 cu. yd. excavation, 1,750 sq. yd. Portland cement conc. or bit. macad. paving, with curbing, sidewalks, manholes, catch basins, sewers; William C. Olsen, Inc., Const. Engrs., 5 Exchange Place, Raleigh.

N. C., Raleigh—Wake County Commrs. plan roads from Raleigh to Fair Grounds; plan supplementary road connecting with Leesville road to Durham, and Wake Forest road.

Oklahoma—State Highway Comm., L. H. Wentz, Chmn., Oklahoma City, receives bids Aug. 21 to grade and drain 19 roads, and about 13 bridges; Rogers County—4.5 mi. conc., U. S. Highway No. 66, Claremore, south; Lincoln County—5.30, Highway No. 66, Wellston, west, also bridge; Beckham County—323 mi., conc. and bridge; Highway No. 66, Sayre, south; Grady County—12.18 mi. Highway No. 81, north of Pocasset, also bridges; Beckham County—2.61 mi. No. 66, Elk City, N. E., also bridges; Washita County—11.45 mi. No. 66, Foss, S. W., also bridges; Okmulgee County—4.54 mi. No. 266, from Canadian River, N. E., also bridges; Kiowa County—grade and bridge at Elk Creek, State Highway No. 9; Pushmataha County—9.25 mi. State Highway No. 19, Antlers, west, also bridges; Woodward County—1.8 mi. Highway No. 47, Major County—5.92 mi. Highway No. 47, from Highway No. 15 southwest; Okmulgee County—1.46 mi. U. S. Highway No. 286, Dewar to Spelter; Caddo County—11.77 mi. State Highway No. 41, Washita County, east; also bridges; Mayes County—9.43 mi. Highway No. 11, Locust Grove, east; Osage County—9.59 mi., Highway No. 18, Fairfax, north, also bridges; Caddo County—14.476 mi. Highway No. 9, Anadarko to Ft. Cobb, bridges; bridge over Washita River, near Carnegie, State Highway No. 9; 14.28 mi. U. S. Highway No. 66, Bridgeport, west; Jefferson County—8.01 mi. Highway No. 81, Ryan, south, bridges; Muskogee County—2.5 mi., Highway No. 64, Yahola Hill, west, bridges; John F. Rightmire, Acting State Highway Engr.

Okl., Tahleah—State Highway Comm., L. H. Wentz, Chmn., Oklahoma City, plans grading, draining, 3½ mi. road from Tahleah, LeFlore County, to State Tuberculosis Sanitarium, Latimer County, cost about \$14,300.

Okl., Tulsa—City, Dan W. Patton, Mayor, plans opening and paving Fifth Ave.; widening West Seventh and West Eleventh St.; underpass under Katy tracks at Owasso Ave.; K. R. Teis, City Engr. See Financial News Columns.

S. C., Aiken—Aiken County Commrs., C. J. Hill, Chmn., plans receiving bids soon to pave road from Warrenville to Graniteville, and surface treat road from Graniteville to Vauluse.

S. C., Greenville—Greenville County, A. F. Pridmore, Supvr., plans expending \$10,000 to top-soil about 9 roads, including Cross road, New road, etc.

S. C., Greenville—City, Alvin H. Dean, Mayor, plans sidewalk paving on Rose Ave., and hard surfacing on Woodfin and Russell Aves., Bennett, Croft, Elizabeth and Laurel St. See Financial News Columns.

S. C., Greenville—See Bridges, Culverts, Viaducts.

Tennessee—Dept. of Highway and Public Works, R. H. Baker, Commr., Nashville, receives bids Aug. 30 for 4 roads and bridge; Jackson County—4.37 mi. grading, draining Roaring River Bridge, near Gainesboro, to Project No. 135-D; Weakley County—10.10 mi. grading, draining Dresden to Palmersville; Rhea County—5.18 mi. grading, draining between Hamilton County line and Dayton; Hardeman County—13.58 mi. grading, draining between Bolivar and Madison County line; Rutherford County—steel and conc. bridge over Stone's River, Murfreesboro to Franklin; T. E. McEwen, State Highway Engr.

Tex., Austin—State Highway Comm., Gibb Gilchrist, Engr., Austin, will make survey of Robert E. Lee (No. 29) highway, between Austin, Travis County and Mason, Mason County, for 129 mi. paving.

Tex., Austin—City, Adam Johnson, Mgr.,

plans expending \$15,065 for various improvements, including widening to 100 ft. Barton Springs road.

Tex., Austin—City, Adam R. Johnson, Mgr., considering paving 14 additional streets, including Guadalupe, from Twenty-seventh to Forty-fifth St.; may issue bonds.

Tex., Austin—City, Adam Johnson, Mgr., considering paving and widening Guadalupe St., to 56 ft. between Sixth and Eighth, and widening to 40 ft., Eighth to Nineteenth; plans paving South Congress St., Live Oak to Nellie; later from Nellie to Congress Ave. Bridge; L. M. Chokla, Street Paving Engr.

Tex., Carrizo Springs—Dimmit County, E. L. O'Meara, Judge, plans 8,901 mi. gravel base course surface, from Sta. 1080 plus 00 to Sta. 1550 plus 00; estimated cost \$75,000; J. G. Lott, Res. Engr.

Tex., Carrizo Springs—Dimmit County, E. L. O'Meara, Judge, plans 9,549 mi. gravel and caliche surface, gravel base course on several roads; J. G. Lott, Res. Engr.

Tex., Dallas—Dallas County plans receiving bids for 2 roads. See Bridges, Culverts, Viaducts.

Tex., Dallas—See Miscellaneous Construction.

Tex., Dallas—Dallas County, Chas. E. Gross, County Auditor, receives bids Aug. 19 to grade, drain, pave, Bachman's Dr., from end of Northwest Highway, east of Recreation Stop, on Denton Highway; Rollins & Clinger, Dist. Engrs., Dallas.

Tex., Denton—Denton County, Walter A. Koons, Judge, plans 14,012 mi. grading draining, Highway No. 114, Tarrant County line to Wise County line; C. L. Williford, Engr., Dallas.

Tex., Fort Worth—Tarrant County, S. D. Shannon, Judge, plans 4,377 mi. widening, grading, bridges, Highway No. 1, Death Crossing, near Arlington to Dallas County line, estimated cost \$30,000; M. C. Welborn, Res. Engr.

Tex., Galveston—Galveston County, E. B. Holman, County Judge, plans paving 20 mi. Highway No. 58, from point near Texas City Junction to county line near Alvin; cost about \$900,000; probably widen to 210 ft.

Tex., Galveston—Galveston County, E. B. Holman, County Judge, plans paving 21 mi. Highway No. 58, connecting Galveston and Houston, via Alvin; cost about \$900,000.

Tex., Galveston—City Commrs. may receive bids within 2 weeks to widen Market St., Eighteenth to Twenty-fourth St.; W. B. McGarvey, City Engr.

Tex., George West—Live Oak County, C. B. Beard, Judge, plans 13,000 mi. grading, draining, Highway No. 9, Atascosa County line to Three Rivers; W. H. Striebeck, Jr., Res. Engr.

Tex., Goliad—Goliad County, J. A. White, Judge, plans 12,848 mi. rein. conc. pavement, Highway No. 12, Victoria County line to Goliad, est. cost \$250,000; V. N. Schultz, Res. Engr.

Tex., Hansford—Hansford County Commrs. plan expending \$240,000 for roads in Dist. No. 1. See Financial News Columns.

Tex., Livingston—Polk County plans 19,597 mi. grading, draining, Highway No. 106, Carmona to Tyler County line; Exline Martin, Res. Engr., Corrigan.

Tex., Linden—Cass County, L. L. Harner, Judge, completing plans to surface Highway No. 8 with 9-in. iron ore sledged stone base course with 2½-in. macadam surface course; F. G. Jenkins, Res. Engr.

Tex., Lockhart—Caldwell County Commrs. plan expending \$300,000 for 2 roads in Commrs. Precinct No. 2 Luling Section; Straighten highway between Luling and Seguin; top highway between Luling and San Marcos, through Prairie Lee, Pentress and Martindale. See Financial News Columns.

Tex., Marlin—Falls County Commrs. plan expending \$360,000 for highway building, and \$45,000 for maintenance. See Financial News Columns.

Tex., Mt. Vernon—Franklin County plans 15,928 mi. grading, draining, Highway No. 73, Mt. Vernon to Winnsboro; A. J. Goode, Res. Engr., Paris.

Tex., Raymondville—State Highway Comm., Austin, granted Willacy County permit to extend Highway 96, 8¼ mi. from Raymondville to Kenedy County line.

Tex., Refugio—Refugio County, T. W. McGull, Judge, plans 11,284 mi. grading, draining, Highway No. 113, Tivoli to Victoria County line; R. E. Kilmer, Res. Engr.

Tex., Refugio—Refugio County, T. W. McGull, Judge, plans 17,838 mi. grading, drain-



ing, caliche surface. Highway No. 128, San Patricio County line to point east of Refugio; R. E. Kilmer, Res. Engr.

Tex., Roby—Fisher County plans 1,332 mi. grading, draining. Highway No. 83, Roby to Sta. 70 plus 35.5; estimated cost \$20,700; J. W. Puckett, Res. Engr., Stamford.

Tex., San Antonio—City, Fred Fries, Clk., plans extending Losoya St., to South Alamo St. at Market; I. Ewig, City Engr. 8-8

Tex., Victoria—Victoria County, J. J. Woodhouse, Judge, plans grading, draining. Highway No. 29, Dewitt County line to Calhoun County line; D. K. Shepard, Res. Engr.

Tex., Waco—City, E. E. McAdams, Mgr., plans opening James St., Nineteenth to Seventeenth St.

Virginia—State Highway Comm., H. G. Shirley, Commr., Richmond, receives bids Aug. 27 for 2 roads: Loudoun County—2.5 mi. macad., Route 54, from Round Hill, 18-196 cu. yd. excavation, 26,528 sq. yd. macad.; 9,523 lb. rein. steel; Halifax County—5 mi. soil, Route 44, from South Boston, 90,563 cu. yd. excavation, 23,047 lb. rein. steel, 16-471 cu. yd. soil.

Va., Petersburg—City, Paul Morton, Mgr., plans curbs, gutters and sidewalks on outlying streets. 4-11

West Virginia—State Road Comm., E. B. Carskadon, Sec., Charleston, receives bids Sept. 10 for 21 roads, 6 bridges: Fayette County—0.3 mi. grading, draining. Lookout-Davensy road; Kanawha County—2.5 mi. cement conc., Lens Creek road; Logan County—5 mi. grading, draining. gravel surfacing. Mallory-Wyoming County line road; Wyoming County—2.7 mi. grading, draining. Bud-Herdon; Mingo County—4.7 mi. slag and cold tar surface treatment. Nolen-Naugatuck; 6 mi. slag surface, Kernit-Naugatuck; Putman County—4.6 mi. stone, gravel or slag surface. Hurricane-Mt. Vernon; Brooke County—1 mi. grading, river road north of hort Creek; Calhoun County—5 mi. grading, draining. Annamoriah Ferry-Creaton; Marshall County—5 mi. gravel surface. Woodlands-Round Bottom road; 2.5 mi. grading, draining. Popular Springs-Pennsylvania line road; Ohio County—1 mi. rebuild with conc. National road; Roane County—2 mi. grading, draining. Ripley-Spencer road; Harrison County—1.6 mi. conc., Northwestern Turnpike through Salem. In Webster County—4 mi. bit. macad. Nicholas County line-Camden-On-Gauley road; 1 mi. bit. surface and cement conc. main streets of Webster Springs; Preston County—0.3 mi. cement conc., Little Sandy-Valley Point road; Taylor County—2 mi. grading, Northwestern Turnpike; Doddridge County—5 mi. cement conc. paving bridge approaches; Grant County—6 mi. grading, bit. maca., paving. Maysville-Mount Storm road; Morgan County—6 mi. bit. macad. Berkeley Springs-Great Cacapon road; Bridges: Putman County—90-ft. span conc. arch. Big Hurricane bridge 1172; two 35-ft. and one 50-ft. spans. conc. deck girder Little Hurricane Bridge 1182; Calhoun County—Walnut Bridge, 24-ft. span conc. slab, superstructure only; Lewis County—Stonecoal Bridge 1178; conc. deck girder, 60-ft. with one sidewalk; Webster County—Back Fork Bridge 1180, steel pony truss 30-ft. span, one sidewalk; Grant County—Gordonia Interstate Bridge 1161—steeldeck bridge spans 96 ft., 102 ft., one 23, and four 24 ft.; conc. substructure.

W. Va., Clendenin—City plans expending \$15,000 for street improvement. See Financial News Columns.

W. Va., Charleston—Kanawha County Court, R. N. Moulton, Clk., considering county road through Pinch reunion grounds.

W. Va., Charleston—Kanawha County Court, R. N. Moulton, Clk., received low bid from Brooks Construction Co., \$12,871, to grade, drain, etc., Campbell's Creek road, Ward to Mammoth. 8-1

W. Va., Wayne—Wayne County Commrs. receive bids soon on 7 roads in Ceredo Dist., \$460,000 available: 2½ mi. grading, draining, gravel, stone or slag surfacing. Big Sandy road, Dock's Creek to Cyrus; 2 mi. Dock's Creek road, State Route No. 75 to Big Sandy road, near mouth of Dock's Creek; grading, draining, conc. paving. Big Sandy Road Section No. 1, corporation line of Kenova to point up Big Sandy River; Twelve Pole road, from U. S. Route 60, Ceredo, to point up Twelve Pole Creek; 2½ mi. grading, draining, gravel, stone or slag surfacing. White's Creek road, from Big Sandy road, Cyrus to Rife Branch; Buffalo Creek road, Section No. 1, from State Route 75, at Buffalo Creek, to point up Buffalo Creek; H. O. Wiles, County Road Engr., Kenova.

#### Contracts Awarded

Ala., Birmingham—City Comm. let contracts, totaling \$101,480, to pave 18 streets,

including Fourteenth Ave., Eleventh Place, Twelfth Terrace, Inglenook St.; Dunn Construction Co., Inc., Lincoln Life Bldg.; Christie-Hutchison & Burton, 502 N. Twenty-first St.; Independent Paving Co., 3828 First Ave., South; H. N. Bowdry, Martin Bldg.; C. M. Burkhalter, Wesco Co., 4501 Second Ave., N.; Fromhold Construction Co.; Paul Richter, 1805 Pearson Ave.; A. J. Hawkins, City Engr.

Ala., Mobile—City, S. H. Hendrix, Clk., let contract to Wesco Co., Mobile, \$15,286, for 11,931 sq. yd. one course cement sidewalks, in Thirty-second Sidewalk Venture. 8-1

Ark., Jonesboro—Hogan Construction Co., Home Ins. Bldg., Little Rock, has contract \$30,000 for repairs to pavement on Dist. No. 16; Guy W. Cobb, Dist. Engr.

Ark., Texarkana—Bd. of Commrs., Paving Improvement Dist. No. 53, let contract to Otto Yenglin, 2823 Olive St., \$34,500, to grade, drain, 19,500 sq. yd. plain conc. paving.

Fla., Starke—City Council let contract to Duval Engineering & Contracting Co., Dyal-Upchurch Bldg., \$6,661, to pave West Call, Orange and Bay St.

Ga., Lagrange—Whitley Construction Co. has contract, \$71,000, for street paving; Geo. H. Sargent, City Engr.

Ky., Fulton—City let contract to Carey Reed Co., Guaranty Bk. Bldg., Lexington, \$49,000 for street, in Improvement Dist. No. 5.

Md., Baltimore—City, Bd. of Awards, let contract to Baltimore Asphalt Block & Tile Co., 1320 N. Monroe St., to pave Cold Spring Lane, York Road to Kernwood Ave.; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Awards, let contract to Arundel Construction Co., Knickerbocker Bldg., \$27,395, for street improvement, in Street Cont. No. 530; to Leone Contracting Co., 2231 Walbrook Ave., \$24,622, to grade, curb, and pave with cement conc., streets in Cont. No. 531; Nathan L. Smith, Highways Engr.

Md., Cumberland—Kean & Corrigan, Inc., 17 S. Smallwood St., have contract to roll, fill with heavy stone and conc., then cover with amiesite, Maryland Ave., Oldtown road to Central Ave. under way; Charles F. Heller, Street Commr.

Md., Frostburg—City let contract to Brady Bros., Frostburg, \$14,802, for 23-ft. wide, conc. base, amiesite surface, paving Maple St., Mechanic to Loo St.

Okla., Cherokee—City, Bey Bontreger, Clk., let contract to Highway Construction Co., Daniels Bldg., Tulsa, \$85,214, for 23 blocks paving; C. H. Guernsey, City Engr.

Okla., Sayre—State Highway Comm., L. H. Wentz, Chmn., Oklahoma City, let contract to Standard Paving Co., 2119 E. Eleventh St., Tulsa, for 5 mi. conc. National Highway No. 66, west of Sayre, Beckham County. 7-25

Miss., Vicksburg—Warren County Highway Comm., let contracts to McCaa and Humphries, Port Gibson, for 2 roads: 3.4 mi. gravel, from intersection of Jeff Davis Academy with Fisher's Ferry, Third Dist., \$13,177; 3.9 mi. dirt Bear Creek road, from Motley Fork, Fifth Dist., \$6,900. 7-25

Tex., Perryton—City Comm. let contract to Lacy Paving Co., at about \$200,000, for 8½ blocks paving.

Miss., Vicksburg—Badgett Construction Co., Cedar Bluff, Ala., has contract, \$71,261, for Federal Aid Project No. 201-B, state trunk road, between Vicksburg and Port Gibson. 6-20

Miss., Water Valley—Yalobusha County, Bd. of Supvrs., let contract to Nixon & Phillips, 917 Sixth Ave., N., Birmingham, Ala., to gravel 2 roads in Beat Four: 4.8 mi. Water Valley-Oakland road; 5.2 mi. Coffeeville-Oakland road. 7-25

Mo., Joplin—City, O. P. Mahoney, Commr. of Streets, let contract to John Skelton, 1124 Murphy St., for conc. curb and gutter, School St., Fourth to Seventh.

Okla., Tulsa—City, Dan W. Patton, Mayor, let contract to Porter Construction Co., Lewis & Frisco tracks, \$14,254, to pave Haskell St., Delaware Place to Evanston Ave.; Evanston Ave., Independence to Easton St.; K. R. Teis, City Engr.

Tennessee—Dept. of Highways and Public Works, R. H. Baker, Commr., Nashville, let contracts for 7 roads and bridge: Clay County—R. E. Martin, Pulaski, \$134,563; Hardeman County—Highway No. 18, Pittman Construction Co., Rhodes Bldg., Atlanta, Ga., \$223,769; McNairy County—Highway No. 15, Gorrell, Barrow & Kirkpatrick, Russellville, Ky., \$203,331; Wayne County—Highway No. 15, Ed Hardy & Son, Pulaski, \$28,935; Marion County—Highway No. 27, Joe F. Walters & Co., Troy, Ala., \$81,624; DeKalb County—

conc. and steel bridge over Caney Fork River, M. P. Smith Construction Co., Knoxville, \$58,226; Cumberland County—Highway No. 42, Jamison Brothers, Nashville, \$35,893; Clay County—M. T. McArthur, Johnson City, \$118,800; T. E. McEwen, State Highway Engr. 7-11

Texas—State Highway Comm., Austin, let contracts, for 17 roads, 4 bridges and underpass: Tarrant County—6.71 mi. 6-ft. conc. slab, Highway No. 1, Standard Paving Co., Majestic Bldg., Fort Worth, \$111,846; 95 mi. grading, draining, bit. filled brick paving, Highway No. 2, Thurber Construction Co., Fort Worth Natl. Bk. Bldg., Fort Worth, \$89,723; 7.79 mi. grading, draining, Highway No. 2, draining, Tibbetts Construction Co., N. P. Anderson Bldg., Fort Worth, \$42,977; large drainage structures, Purvis & Bertram, 112½ W. Ninth St., Fort Worth, \$46,224; Fort Bend County—2.14 mi. grading, draining, conc., Highways 36 and 3, T. L. James, Ruston, La., \$99,397; Harris County—7.78 mi. grading, draining, conc., Highway No. 3, T. L. James, \$317,047; 4.19 mi. grading, draining, conc., Highway 35, T. L. James, \$181,418; Wharton County—13.38 mi. grading, draining, Highway 71, F. W. Heldenfels, Rockport, \$41,073; large drainage structures, E. Artman, Giddings, \$13,935; Grayson County—8.15 mi. grading, draining, Highway No. 5, Womack Construction Co., Sherman, \$85,731.

In Limestone County—8.61 mi. grading, draining, conc., Highway No. 7, F. P. McElwrath, Corsicana, \$250,525; large drainage structures, John Thompson, San Augustine, \$17,127; Burnett County—12.34 mi. grading, draining, Highway No. 108, S. F. Vann, Trinity, \$86,904; at \$14,989 for large drainage structures; Anderson County—3.94 mi. grading, draining, Highway No. 40, Lucas and Lucas, Cushing, \$57,476; Palo Pinto County—45 mi. grading, draining, on relocation Highway No. 1-A with Highway No. 1, Crouch & Noland, Strawn; Henderson County—5.66 mi. grading, draining, Highway No. 40, J. S. Moore & Sons, Lufkin, \$75,539; Kinney County—4.55 mi. grading, draining, Highway No. 3, D. J. Miles & Co., Fort Worth, \$38,399.

In Brazoria County—6.29 mi. stone and two course bit. surface treatment, Highway No. 58, Hayden & Austin, Houston, \$90,549; Cass County—1.8 mi. crushed limestone base course and bit. surface treatment, Highway No. 47, Arkansas Lime Products Co., Texarkana, \$44,678; Rusk County—10 mi. bit. surface treatment, Highway No. 26, McKinney & Parmley, Nacogdoches, \$25,517; Rudspeth County—13.8 mi. single bit. surface treatment, Highway No. 1, Coke & Turner, Marshall, \$22,887; Bridges: Karnes County—37 mi. bridge over Ecleto and Elm Creeks, Highway No. 112, Gilstrap Construction Co., P. O. Box 481, Victoria, Mo., \$34,791; Ellis and Dallas Counties—Grove Creek and Red Oak Bridges, and electric railroad underpass, Highway No. 6; large drainage structures, H. K. McCollum, Natl. Bk. Bldg., Fort Worth, \$9,077; railroad underpass, Grant Williams, Oklahoma City, \$43,945.

Tex., Austin—Travis County, George C. Matthews, County Judge, let contract to Southwest Bitulithic Co., 802 Castro St., San Antonio, \$7,500, to pave Congress Ave. Bridge with conc., 2-in. bitulithic top.

Tex., Fort Worth—City, O. E. Carr, Mgr., let contract to West Texas Construction Co., Cotton Exch. Bldg., \$11,790, to pave Harvey Ave.; to Hughes Engineering Co., \$7,990 to pave Sixth Ave.

Tex., Jonesboro—Street Dist. No. 16 let contract to Hogan Construction Co., Home Ins. Bldg., Little Rock, \$31,000, for asphalt covering on paved streets.

#### Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Fairfield—City receives bids Sept. 3 for sanitary sewers. See Want Section—Bids Asked.

Ark., Mulberry—Water Works and Sewer Improvement Dist. No. 1, reported, plans water works and sewers; cost \$85,000; Dickinson & White, Engrs., Rector Bldg., Little Rock.

D. C., Washington—Dist. Commrs., receive bids Aug. 29 for sewers. See Want Section—Bids Asked.

Ga., Atlanta—City and Fulton County, considering extension of sewers for B. F. Goodrich Rubber Co.'s plant.

Ky., Catlettsburg — City, Robt. Owens, Mayor, soon call for bids for sewers in Hampton City.

La., Port Allen—Town let contract to F. D. Harvey & Co., 688 S. Bellevue St., Memphis, Tenn., at \$89,855 for complete sanitary sewer system; install 2 sewage pumps, 11 miles of 8 to 18-in. pipe line; L. J. Voorhies, Engr., Baton Rouge. 8-8

Md., Baltimore—Pio Marocco, 3700 Forest Park Ave., has contract at \$99,934 for storm water Contract No. 135, at Violetville.

Md., Baltimore—Bd. of Estimates authorized construction of sanitary sewers and storm water drains in Morrell Park, cost \$125,000.

Miss., Greenville — City voted \$125,000 sewer and drainage bonds. 6-20

Miss., Hazlehurst—Town receives bids Sept. 3 for furnishing materials and constructing sanitary sewers and water mains, etc. See Want Section—Bids Asked.

Miss., Laurel—See Roads, Streets, Paving.

Mo., DeSoto — City plans sewer system; Russell & Axon, Consol. Engrs., 408 McDaniel Bldg., Springfield.

Mo., Eldon—City rejected bids for sewer; date of new bids not set. 8-8

Mo., Owensboro—City, W. O. Boyd, Clk., reported, let contract to Dunbar Constr. Co., 702 Louderman Bldg., St. Louis, for sewer system; Alexander Engineering Co., Consol. Engrs., Springfield.

N. C., Bedford—Town extend sewer line.

N. C., Louisburg. See Roads, Streets, Paving.

Okla., Oklahoma City—City has plans by Benham Engineering Co., Consol. Engrs., Perrine Bldg., and will soon call for bids for storm sewers on Liard and Kate Aves.; cost \$400,000.

Okla., Oklahoma City—City receives bids Sept. 3 for storm sewers. See Want Section—Bids Asked.

Okla., Texhoma—Town voted \$58,000 sewer bonds; J. H. Settles, Clk.

Okla., Tulsa—City probably vote in Oct. on bonds for playgrounds, storm and sanitary sewers, etc. See Financial News Columns.

Okla., Woodward—See Water Works.

S. C., Fort Mill—Fort Mill Mfg. Co., having surveys made for sewers.

S. C., Greenville—City, Alvin H. Dean, Mayor, considering bonds for sewers.

Tenn., Dayton—City, W. S. Neel, Mayor, install sewer system; \$50,000 bonds available.

Tex., Ballinger—Southwestern Sewer Co., 1507 Coruth St., Dallas, reported, acquired Sanitary Sewerage Co.; also acquired 10 franchises in Arkansas.

Tex., Cuero—City having complete drainage project mapped out by Hans Holland, Drainage Engr., San Antonio, for permanent drainage.

Tex., Georgetown—City considering purchase of private owned sewer system.

Tex., Kirbyville—City votes Aug. 24 on sewer bonds.

Tex., Port Neches—See Water Works.

Tex., San Antonio—Rhiner & Elder, 708 Builders Exchange Bldg., has contract at \$121,000 for storm sewers; use trencher, backfiller, conc. mixer, etc. 8-8

Tex., Silvertown—Ed Manning, reported, has contract at \$24,000 for sewers. 8-1

Tex., Victoria—Frank L. Fossatt, Victoria, has contract for sewer extension.

Va., Richmond—Allen J. Saville, Inc., Electric Bldg., receives bids Aug. 14 for rein. conc. sewage pumping plant, Henrico Sanitary Dist., No. 1, Gambles Mill Rd.

### Street Railways

Va., Lynchburg—Lynchburg Traction & Light Co., C. B. Short, Mgr., ordered 20 "master unit" electric street cars from J. G. Brill Co.

### Telephone Systems

Ky., Louisville—Following applied to Federal Radio Comm. for authority to erect radio stations, using 1,010 or 610 kilocycles, 500 watts power: Liberty Bank & Trust Co., Fireproof Storage Co., 308 W. Liberty St.; Louisville Taxicab & Transfer Co., Ninth & Liberty Sts., and (joint application) Franklin Title & Trust Co., 508 W. Jefferson St., and Franklin Bond & Mortgage Co.

La., Lake Arthur—Cumberland Telephone Co. started work rebuilding entire system.

Miss., Jackson—Lamar Life Insurance Co., let contract to John W. Garrett, Lampton

Bldg., Jackson, for radio station, 3 mi. north of city, Jackson to Canton Hwy.; 2-story, 33x31 ft., rein. conc., brick, cast stone trim, rein. conc. foundation, comp. roof, steel and misc. iron work, steel sash, metal work, terrazzo and tile floors; N. W. Overstreet, Archt., Miss. Fire Ins. Bldg., Jackson.

Okla., Norman—Southwestern Bell Telephone Co., C. W. Mier, Engr., Oklahoma City, let contract to E. V. McCright & Co., Construction Industries Bldg., Dallas, Tex., for \$35,000 addition to telephone building. 4-25

Okla., Sayre—Southwestern Bell Telephone Co., C. W. Mier, Oklahoma City, let contract to McMillan & Shelton, Enid, for brick telephone building. 7-11

Tex., Galveston—Southwestern Bell Telephone Co., H. G. Brickhouse, Dist. Mgr., expend approx. \$50,000 during next 15 months for improvements.

Tex., Lake Arthur—Southern Bell Telephone & Telegraph Co., D. L. Johnson, Local Mgr., expend \$10,000 for improvements to city system immediately; install cables and replace all open wires.

Tex., San Antonio—Southwestern Bell Telephone Co., Travis St., drawing plans to be complete about Sept. 25 for \$220,000 dial and toll exchange; plumbing, wiring and heating under separate contracts at same time; B. D. Hull, Ch. Engr., Southwestern Bell Telephone Bldg., Dallas; I. R. Timlin, Archt., Telephone Building, St. Louis, Mo.

Va., Sandston—Chesapeake & Potomac Telephone Co., of Virginia, C. F. Cross, Jr., Mgr., Richmond, establish telephone central office to be known as Fairfield; cable facilities and associated apparatus including central office equipment involve over \$40,000; require 80 poles, 150 crossarms, 27,000 ft. aerial cable, 32 mi. aerial wire, 1300 ft. underground conduit, 2 manholes and 1600 ft. underground cable; to be complete about Nov. 30.

W. Va., Charles Town—Federal Public Service Corp., 22 W. Monroe St., Chicago, Ill., acquired Jefferson County Telephone Co.; temporary officers of holding company included Clarence E. Martin, Pres., Martinsburg; W. A. Pankey, V.-Pres., and others.

### Textile Mills.

Ala., Stevenson—Avondale Mills, J. McD. Comer, Pres., Birmingham, reported, acquired Avondale Cotton Mill.

Ga., Macon—Adams-Swirls Cotton Mill, formerly Adams Duck Mill, capital \$300,000, incorporated; Jennings T. Adams, 637 Vineville Ave., Macon; in addition to common stock, company will issue preferred stock of \$500,000.

La., New Orleans—Alden Mills, 2308 Chartres St., reported, let contract to Lionel F. Favret, Louisiana Bldg., for 1 story, brick hosiery mill on Decatur St., between Mandeville and Chartres Sts.; comp. roof; cost \$11,000.

Miss., Hattiesburg—Chamber of Commerce, reported, negotiating for silk mill by outside capitalists.

N. C., Burlington—Wilson Finishing Mills, Inc., capital \$100,000, chartered; Thomas D. Cooper, L. H. Davis.

N. C., Charlotte—Nebel Knitting Co., reported, let contract to Southeastern Construction Co., 210 W. Second St., for \$75,000 addition to mill at 13 W. Worthington Ave.; 2 story, 140x180 ft.; install \$250,000 equipment.

N. C., Ellerbe—Ragan-Parker Knitting Co., capital \$100,000, incorporated; H. E. Parker, Ellerbe; A. H. Ragan, Thomasville.

N. C., Roanoke Rapids—Rosemary Manufacturing Co., let contract to Fisle-Carter Construction Co., Greenville, S. C., for 2-story brick and steel weave shed and spinning room addition; J. E. Sirrine & Co., Engrs., Greenville; let contract to Belmont Iron Works, 22nd St. and Washington Ave., Philadelphia, Pa., for steel; American Cast Iron Pipe Co., Birmingham, Ala., for cast iron columns.

South Carolina—United Merchants and Manufacturers, Inc., Homer Loring, Pres., 31 Milk St., Boston, Mass., acquired Langley Mills, Langley, and Aiken Mills at Bath. 4-4

S. C., Rock Hill—Rock Hill Printing & Finishing Co., reported, let contract to A. W. Holbrook & Sons, Inc., Palmer, Mass., for equipping plant with 504 drying cylinders with trap and syphon combinations and 48 of back dryers with rotary syphon. 7-4

Tenn., Cleveland—H. B. Moore, V. P. and Gen. Mgr., Hardwick Woolen Mills, reported, interested in establishment of silk weaving mill.

Tenn., Knoxville—Brookside Mills, W. Baxter Ave., rebuilding power plant, install boil-

ers, automatic feeding furnaces, etc.; cost \$65,000.

### Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Gadsden—City, Percy Todd, Engr., receives bids Aug. 18 for water works improvements; 300,000 gal. and 500,000 gal. rein. conc. clear well; 128x13x4 ft. deep mixing chamber; misc. conc. foundations; 50,000 gal. steel wash water tank and tower; install water mains, pumps and motors; following contractors estimating: MacDougald Construction Co., 545 Angier Springs Rd.; Arthur Pew, Jr., Red Rock Bldg.; Meador Construction Co., 10 Harris St., N. W., all of Atlanta, Ga.; A. H. Guion, W. Main St., Gastonia, N. C.; V. B. Higgins, Kinney Bldg.; Tucker & Laxton, Independence Bldg., and McClelland Co., 9 W. Third St., all of Charlotte, N. C.; M. R. Boyce & Co., Gadsden.

Ga., Atlanta—City, I. N. Ragsdale, Mayor, considering installation of additional equipment.

Ky., Carlisle—City extend water main in Dorseyville.

Ky., Fulton—Town let contract to Carliss Well Supply Co., Inc., 116 S. Front St., Memphis, Tenn., for Cook well, 1000 g. p. m. 8-1

Ky., Fulton—City let contract to Lee C. Roberts, Fulton, for 3000 ft. of 4-in. c. i. mains; Black & Veatch, Constl. Engrs., 700 Mutual Bldg., Kansas City, Mo. 8-1

Ky., Louisville—Louisville Water Co. extend 48-in. water main from Eastern Parkway to 7th St. Road and Winkler Ave.

La., Lafayette—City considering erection of filtration plant.

Md., Annapolis—City and Annapolis Water Co. receive bids about Sept. 1 for \$250,000 filtration and water extension; 2 story, brick; W. C. Monroe, Archt.-Engr.

Md., Baltimore—Ligon & Ligon, 3310 Ridgewood Ave., have contract at \$12,700 for water main installation at Mount Vernon pumping station. 6-27

Md., Baltimore—Ligon & Ligon, 3310 Ridgewood Ave., has contract for Tioga Parkway excavation including 2400 cu. yds. earth and 1150 cu. yds. of rock. 6-27

Md., Sykesville—State Dept. of Health, Dr. R. H. Riley, Director, 2411 N. Charles St., Baltimore, having plans prepared for two 250,000 gal. per day filter units at Springfield State Hospital; construction by hospital forces. 5-30

Miss., Coldwater—Town let contract to Carliss Well Supply Co., 116 S. Front St., Memphis, Tenn., for Cook well, 300 g. p. m., Kimball pump. 5-23

Miss., Hazlehurst—See Sewers.

Miss., Hickory Flat—City considering installation of water works; may vote on bonds.

Miss., Pickens—Town let contract to Batson & Reed, Wiggins, for reservoir. 7-18

Okla., Hollis—City, Ross Cox, Mayor, expend \$48,000 for extension and repair water works; install 120 h. p. oil engine, generator and motors; V. V. Long Co., Engrs., Colcord Bldg., Oklahoma City. 7-25

Okla., McAlester—City voted \$95,000 water works bonds; will repair city lakes and relay water line from Lake McAlester.

Okla., Tecumseh — City considering improvements to water supply.

Okla., Tulsa—Remington Oil Co., Remington Rogers, Hunt Bldg., granted franchise to develop and construct water system at Cedar Crest, summer colony.

Okla., Woodward—City, H. M. Ranner, Mgr., reported, plans water works and sewer improvements.

S. C., Columbia—City receives bids Aug. 27 for water pumps. See Want Section—Bids Asked.

S. C., Spartanburg—City, reported, closed 5-yr. contract for supplying Fairforest finishing Co.'s plant with water; lay 13,000 ft. of water pipe to connect up with Camp Wadsworth line.

Tenn., Wartrace—City voted \$140,000 water works bonds. S. H. Rutledge, Clk. 8-1

Tex., Dayton — Coastal Construction Co., Orange, has contract for \$40,000 water works improvements; includes 6, 4 and 2-in. c. i. pipe; erect pump plant and reservoir; electrically driven pump; H. L. Thackwell, Engr., Jacksonville. 7-11

Tex., El Paso — City, R. E. Thomason, Mayor, plans improvements to water supply.



Tex., Port Neches—City open bids Aug. 23 for water and sewer system; H. L. Thackwell, Engr., Jacksonville. 4-11

Tex., Marshall—City, H. J. Graeser, Mgr., let contract to Southern Engine & Pump Co., 615 Washington St., Houston, for deep well pump, and to Fred Fielder, Grand Saline, for sinking of well. 8-1

Tex., Round Rock—C. D. Anderson, L. W. Ross, Committee, interested in water works improvements.

Tex., San Antonio—Permutt Co., 440 4th Ave., New York, reported, has contract for water softener at Fort Sam Houston.

Tex., San Antonio—A. W. Parker, Constr. Quartermaster, receives bids Sept. 4 for addition to water works system at Randolph Field, Sequin Rd.; work includes 7035 ft. of 8-in. and 22,610 ft. of 6-in., c. i. pipe, valves, fittings and hydrants. 6-13

West Virginia—National Water Works Corp., 11 Broadway, New York, reported, acquired properties of Buckhannon Water Co., Buckhannon; Kingwood Water Co., Kingwood, and Phillipi Water Co., Phillipi.

W. Va., Benwood, Wheeling—City, reported, negotiating for water plant of U. S. Steel Corp.'s plant at Fourth St.

W. Va., Charleston—Kanawha County Court Commr. granted franchise to Kanawha Valley Water Co., Nitro, for extending water mains between Marmet and Slaughters Creek.

### Woodworking Plants

Ala., Birmingham—Cleveland Mfg. Co. formed to manufacture wood specialties, catering largely to automobile, truck and cab industries; H. F. Cleveland, head, 1225 S. 29th St.

Fla., Orlando—State Sash & Door Co., formed by L. G. Newell, 522 Cherokee Drive, and associates.

Ga., Albany—Southern Cotton Oil Co., C. T. Smith, Gen. Mgr., Savannah, acquired site for plant to manufacture staves and headings; expend about \$20,000.

Ky., Barbourville—Kenwood Lumber Co. acquired Rapp Lumber Co.; enlarge and add new machinery to produce hardwood dimension stocks. 7-4

Miss., Laurel—Chamber of Commerce interested in establishing woodworking plant.

N. C., Charlotte—C. J. Lambeth, Roaring River, acquired property of old Surry Furniture Co.; ordered machinery; expend \$100,000; employ 60.

N. C., Wilmington—Coastal Cross Arm & Conduit Co. (wooden electrical equipment) leased site, Liberty Shipyards, for plant; machinery being shipped; later add creosoting unit.

S. C., Florence—Furniture Novelty Mfg. Co., capital \$25,000, incorporated; M. Marton Polakew, W. W. Parr.

Va., Appomattox—Ned Wagers acquired Appomattox Construction Co.; plans to produce school desks in large quantities.

Va., Roanoke—J. W. Eubank Furniture Co., Inc., J. W. Eubank, V-Pres., 128 Camp Ave., E. changing name to Eubank & Clay Furniture Co., Inc.

### FIRE DAMAGE

Ala., Eufaula—Tyle Lumber Co.'s plant.

Ala., Heflin—Hollis Cash Store; Prestridge Meat Market; Evans & Wood Drug Store; loss \$20,000.

Ark., Mena—Watkins Lumber Co.'s planer house, E. Janssen Ave.; loss \$20,000.

Ala., Mt. Pleasant—Junior High School, under construction, W. H. Sewall, Contr.; Buford Lawrence, Supt. of Education.

Ala., Tuscaloosa—Building of Kaul Lumber Co., Kaulton; loss \$50,000. Main office Birmingham.

Ark., Booneville—Booneville Lumber Co.'s yards; loss \$10,000.

Ark., Stuart—Plant of Morgan & West Box Co., subsidiary Anderson-Cully Co., Memphis, Tenn.; loss \$40,000.

D. C., Washington—J. E. Dyer & Co.'s store, 3330 M St., N. W.

Fla., Pensacola—Harvey Lumber Co.'s plant, Barancas Ave.; loss \$50,000.

Fla., Tampa—V. Guerra, Diaz & Co.'s cigar plant, 26th and Clark St., Palmetto Beach; loss \$15,000.

Fla., Tarpon Springs—Tarpon Lumber &

Supply Co.'s plant; loss \$33,000; Ed O'Cramer, owner.

La., Alexandria—Hickory handle plant of J. B. Calvert sawmill; loss \$21,500.

Md., Baltimore—Inactive plant of American Ice Co., Key Hwy. and Henry St.; Jos. P. Day, agent for owner, 67 Liberty St., New York.

Md., St. Augustine, R. D. from Chesapeake City—Two barns and four buildings on John J. Williams' farm; loss \$15,000.

Md., Woodlawn, Baltimore—Wm. M. Seidlich's residence, Windsor Mill Rd., near Gwynn Oak Ave.

Miss., Silver Creek—Portion of power and light plant of Mississippi Power and Light Co., Jackson.

N. C., Jonesville—J. H. Dunman's residence.

Okla., Fort Sill, Lawton—Snow Hall of field artillery school; loss \$500,000, including classroom equipment. Address Commandant.

Tenn., Knoxville—Col. James G. Sterchl's dairy barn, Dry Gap Pike; loss \$30,000.

Tenn., Memphis—Building occupied by Otto Schwill & Co., 10-12 S. Front St., owned by Frank Hayden, Union Planters Natl. Bk. & Trust Co. Bldg.; loss \$35,000.

Tex., Dallas—Building of Dallas Lumber Co., C. R. Berry, Pres.; loss \$91,500.

Tex., Houston—Building of Magnolia Bottling Works, 7820 Elwood St.; loss \$60,000.

Tex., McGregor—Buildings of Amsler & Co., lumber and hardware; Cameron Lumber Co., and Bloodworth Grain and Elevator Co.; total loss \$75,000.

Tex., Miles—Tom Hewitt's residence.

Tex., Quinlan—R. K. Epperson's grocery and goods store; Burl Roberson's shoe shop; L. D. Keasler's store; Hibbits Cafe; Masonic Hall; Fred Wouldridge's ice plant; loss \$75,000.

Tex., Wichita Falls—Mrs. Lucille Markham's rooming house, 308 Lee St.; loss \$10,000 to \$12,000; dwellings occupied by Mrs. Nannie Taylor and W. B. Wynn, 306-08 Lee.

Tex., Wink—Liberty Theater. Address The Management.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Ark., Hardy—Crowley Ridge Council, Boy Scouts of America, care J. D. Brame, erect camp.

La., New Orleans—Young Men's Christian Assn. let contract to raze structure on site for \$325,000 bldg., Lee Circle and St. Charles Ave.; completing plans; main and auxiliary auditorium, 75-ft. swimming pool, showers, etc.; also having plans drawn for \$125,000 branch for negroes; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg. 3-22

Mo., Poplar Bluff—Railroad Young Men's Christian Assn., A. D. Reeder, Sec., probably inaugurate campaign in Fall for \$75,000 to erect brick and conc. bldg., Maple St. 6-2-27

Va., Hopewell—Hopewell Lodge No. 425, I. O. O. F., P. C. Jerne, member, Bldg. Comm., and engr. in charge of plans, expects to have plans ready for bids by Aug. 20 on lodge bldg., site present structure; brick, 2 stories. 8-8

Mo., Washington—Hope Lodge No. 251, A. F. & A. M., O. W. Arcularius, Chmn., Bldg. Comm., erect \$22,000 temple, Lafayette St.; brick and terra cotta, 22x100 ft.; plans completed.

#### Bank and Office

D. C., Washington—American Security & Trust Co., 15th and Pennsylvania Ave.; 10-story brick and stone addition to bldg.; York & Sawyer, Archts., Pershing Square Bldg., 100 E. 42nd St., New York, advise plans ready some time in Oct. for bids; Meyer, Strong & Jones, Mech. Engrs., 101 Park Ave., New York. 8-8

Fla., Wauchula—R. C. Evans erect office bldg.; 1 story, 75x60 ft.; H. G. Little, Archt.

Mo., Jefferson City—Professional Arts Building Corp., M. R. Aldridge, member, organized to erect 5 additional stories over First National Bank.

Mo., St. Louis—Albert Wenzlick, Real Estate Co., Delbert S. Wenzlick, Vice-Pres., 1010 Chestnut St., advise probably have plans completed about Sept. 15 and be ready to take bids on \$3,000,000 Wenzlick Tower, 11th and Chestnut Sts.; 35 stories and 2 basements, site 106x104 ft.; Klingensmith & Wilkins, Archts., 317 N. Eleventh St. 5-23

Okla., Oklahoma City—Huckins Hotel Co. advises will not erect office bldg., Main St. and Broadway. 8-1

Tex., Cisco—First National Bank, A. Spears, Cashr., remodel bldg.; stucco, new front, vault; W. G. Clarkson & Co., Archts., First Natl. Bk. Bldg., Fort Worth.

Tex., Corpus Christi—H. G. Sherman, member, Wood-Sherman Construction Co., Inc., 315 Peoples St., opened bids Aug. 15 at office Hardy & Curran, Archts., Nixon Bldg., Corpus Christi, for brick, granite, stone and rein. conc. office bldg., Peoples and Chaparral Sts.; 6 stories with foundation for 10 stories, 50x130 ft., hardwood interior finish;

W. E. Simpson & Co., Engrs., Milam Bldg., San Antonio. 8-8

Tex., Corpus Christi—Kelley Bros., Inc., 1001 Leopard St., erect 4- or 10-story bldg., Leopard and Staples Sts.; foundation for 10 stories; 50x88 ft., rein. conc.; work start Nov. 1.

Tex., Laredo—A. M. Bruni, County Treas., opens bids Aug. 20 for office bldg.; bids by invitation; frame, brick, cast stone, 4 stories, about 101x56 ft.; Adams & Adams, Archts., Real Est. Bldg.; Matthews & Kenan, Engrs., Smith-Young Tower, both San Antonio. 5-30

#### Churches

Ala., Montgomery—Southside Baptist Church, Hull St., Dr. S. H. Campbell, Pastor, erect \$100,000 bldg., Burton Ave. and Hull St.; 3-story, 86 x 54-ft. Sunday school as first unit; N. Sargent Hamilton, Archt., Wynn-Claughton Bldg., Atlanta, Ga.; plans about Sept. 10.

Ark., Portia—Landmark Baptist Church considers erecting 1-story cobblestone church.

Ark., Wilmot—Methodist Episcopal Church considers erecting \$15,000 bldg. to replace frame structure; brick veneer, 1 story.

Fla., DeFuniak Springs—Cluster Spring Union Church, A. A. Men dosa, member, erect building.

Md., Annapolis—Trinity M. P. Church, Rev. D. L. Fringer, Pastor, 382 West St., having preliminary plans drawn by W. B. Gardner for \$45,000 church and Sunday school; brick, 1 story.

Mo., Cape Girardeau—Christ Evangelical Church, W. Kies, Chmn., Bldg. Comm., care Riverside Lumber Co., having plans drawn by Reither & Lindsay, H. & H. Bldg., for \$40,000 bldg., Ellis & Meriwether Sts.; brick, 60x90 ft., auditorium seat 280, 2-story Sunday school. 6-27

N. C., High Point—Highland M. E. Church has completed plans for \$25,000 bldg.; brick veneer; auditorium seats 250, 13 classrooms, dining room; Herbert Hunter, Archt., 116 N. Main St.

Okla., Tecumseh—Broadway Methodist Church has low bid for \$30,000 bldg. from Golden Troop Co.; A. C. Davis & Sons, Archts., both Shawnee. 6-27

Okla., Tulsa—University M. E. Church erect \$150,000 bldg.; Popkin & Baze, Archts., Commercial Bldg.; preliminary plans. 8-8

S. C., Lancaster—Associate Reformed Presbyterian Church erect bldg.; Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte, N. C.; plans complete.

Tenn., Memphis—Bellevue Baptist Church, Rev. R. G. Lee, Pastor, 1668 Peach St., erect 2-story addition; brick, conc. and steel; Joe T. Wallace, Archt., Bank of Commerce Bldg.

Tex., Beaumont—Highland Ave. Baptist Church has plans completed by Rev. D. R. Peveto, Pastor, for \$40,000 bldg.; \$10,000 Sunday school first; brick veneer, 2 stories, 50x80 ft., cement and pine floors, conc. foundation, built-up roof. 6-6

Tex., Corpus Christi—First Presbyterian Church receiving bids, open about Aug. 23, for brick and rein. conc. bldg.; \$165,000, cement and wood floors, tile lavatories, comp. and Imperial Spanish tile roof, metal lath, gray Tennessee marble; Wyatt C. Hedrick, Inc., Archt., First Natl. Bk. Bldg., Fort Worth. 6-13

Tex., Dallas—St. Matthews Cathedral, Rev. Robt. S. Chalmers, Dean, plans to soon start work on cathedral on St. Marys College campus; college chapel being remodeled for temporary quarters; Herbert M. Greene, LaRoche & Dahl, Construction Industries Bldg., Archts. for remodeling. 6-13

Tex., Dallas—Winnethka Congregational Church, Oak Cliff, Rev. Ray V. Fortna, Pastor, erect \$35,000 bldg., S. Winnethka Ave. and W. 12th St.; contract in few days.

Tex., Del Rio—Methodist Church, Rev. Chas. Dixon, Pastor, have plans ready about Sept. 1 for \$60,000 church and Sunday school bldg.; brick and hollow tile, height equivalent to 3 stories, part basement; Ralph H. Cameron, Archt., City Natl. Bk. Bldg.; W. E. Simpson & Co., Engrs., Milam Bldg., both San Antonio. 5-16

Tex., Fort Worth—First Baptist Church, A. L. Jackson, Chmn., Bd. of Trustees, is not having plans drawn by W. G. Clarkson & Co., Archts., First Natl. Bk. Bldg., for \$500,000 six-story church as lately reported; Union Church, A. A. Mendosa, member, erect constr. details lately noted; clearing site. 7-25

Tex., Galveston—First Baptist Church, Fletcher Harris, Chmn., Finance Comm., raising funds for \$100,000 Sunday school. 6-29

Tex., Goose Creek—Jewish Congregation erect \$13,000 synagogue; hollow tile, brick and stone, 1 story; L. Gabert, Archt., 1315 Bell St., Houston; open bids about 10 days.

Tex., Moss Bluff—Rev. J. L. Ross, Pastor, Methodist Church, Daisetta, interested in erection of Methodist Church.

Tex., New Braunfels—Protestant Episcopal Church start work about Aug. 15 on \$30,000 auditorium; face brick, hollow tile and cast stone, 1 story, balcony and basement, about 68x87 ft., steel truss roof, steel sash; Jeremiah Schmidt, Archt., New Braunfels; Beretta-Stiles Co., Engr., Natl. Bk. of Commerce Bldg., San Antonio. 6-20

Tex., Port Arthur—Baptist Church, care A. J. Singleton, plans bldg., Groves Addition.

Va., Sandston—Baptist Church, Rev. S. D. Weeks, Pastor, plans bldg.; Herbert L. Cain, Archt., Grace Securities Bldg., Richmond, Va.

### City and County

Alabama—Number of counties in southeastern Alabama may erect joint almshouse; conference Aug. 28. Address Haygood Patterson, Montgomery.

Ala., Bridgeport—C. H. Duffy is chairman of group interested in erection of auditorium.

La., New Orleans—City has low bid at \$18,943 from Gervais F. Favrot, Balter Bldg., for stable, N. Roman and St. Louis Sts.; plans by A. S. Montz, City Archt. 7-25

Md., Baltimore—City, Chas. F. Goob, City Engr., appropriated \$25,000 to repair Shot Tower; install heating and lighting equipment, lay conc. floor, new stairway, window frames and sashes, rebuild roof and parapet wall, etc. 11-15

Md., Easton—City, J. B. Clark, Mayor, City Hall, having plans drawn by W. D. Brinkloe, Archt., Stewart Bldg., for municipal bldg., S. Harrison St.; \$50,000 brick, 3 stories; contain fire station, mayor's offices, community hall. 11-15

Md., Hagerstown—City, Reuben Muscy, Mayor, approved plans by Hyde & Shepherd, Archts., 18 E. 48th St., New York, for Hagerstown Museum of Fine Arts, City Park, gift of Wm. A. Singer, Jr., Oslo, Norway; work start early in Fall; Georgian type, brick and stone. 8-8

Miss., Greenville—City, Fred Schelben, Mayor, voted \$20,000 public library bonds.

Miss., Greenville—Washington County Bd. of Suprs., selected J. M. Spain, Millsaps Bldg., Jackson, as architect to remodel and enlarge courthouse.

N. C., Greenville—City will give site, Evans St., for \$50,000 Wm. Henry Haywood Shepard Memorial Library, gift of Harper D. Sheppard, Hanover, Pa.; Wm. H. Dail, Jr., member, Bldg. Comm., Greenville. 7-4

N. C., Kinston—City purchased site, McLevee and North Sts.; later erect city hall.

Okla., Woodward—City, H. M. Renner, City Mgr., may call election on \$85,000 bonds, including amount to improve city hall.

Tenn., Chattanooga—City, E. D. Bass, Mayor, plans 3 fire stations in territory to be annexed Oct. 1; soon select architects.

Tenn., Union City—City votes Aug. 20 on \$25,000 city hall bonds; structure brick and cast stone, 2 stories, 90x45 ft., conc. and wood floors, built-up flat roof; W. J. Conradi, Archt.; W. C. Kelley, Contr. 7-18

Tex., El Paso—City, W. E. Stockwell, City Plan Engr., having plans drawn by Wm. G. Wuehrmann, Archt., Two Republics Bldg., to remodel bldg. for health department. 8-1

Tex., LaPorte—Chamber of Commerce interested in city hall; City probably vote on \$85,000 bonds, including \$12,500 for city hall.

Tex., San Antonio—City, C. M. Chambers, Mayor, plans 2 additional fire stations; \$25,000 each; architects not selected.

Tex., San Antonio—City, C. M. Chambers, Mayor, ready for bids about Aug. 20 for \$25,000 branch library, Prospect Hill; brick, hollow tile, conc., cast stone, 1 story, 62x85 ft.; Marvin Eickenrodt & Bartlett Cocke, Archts., Maverick Bldg. 6-27

Tex., Waco—Following contractors estimating on \$225,000 city hall, bids Aug. 20: General construction, L. H. Lacy Co., Burt Bldg.; Christy-Dolph Construction Co.; F. A. Mote, both Construction Industries Bldg., all Dallas, Tex.; Jas. T. Taylor, First Natl. Bldg., Fort Worth, Tex.; J. E. Johnson Construction Co., 1000 Franklin Ave.; S. B. Swigert, 324 N. Tenth St.; J. S. Harrison Construction Co., Liberty Natl. Bk. Bldg., all Waco; B. W. Shepard & Son, Greenville, Tex.; heating and plumbing bidders, Hamilton Co., 2301 Griffin St., Dallas; Hill Bros. & Co., 705 Austin Ave.; elect. fixtures, W. M. Smith Electric Co., 1907 Bryan St., Dallas; jail equipment, Fries & Son Steel Construction and Engineering Co., Inc., Covington, Ky.; Southern Prison Co., 4500 S. Presa St., San Antonio, Tex.; Stewart Iron Works, 17th & Madison Ave., Cincinnati, O. 8-1

Tex., Waxahachie—Ellis County Comms. Court lets contract Sept. 6 for jail; \$60,000, red brick, white stone trim, 3 stories, about 48x45.6 ft., toolproof steel-barred cells, lever locking systm.; plans by Southern Prison Co., 4500 S. Presa St., San Antonio.

W. Va., Clendenin—City voted \$20,000 bonds for municipal bldg. Address City Council.

### Dwellings

Ark., Osceola—Earl Quinn considers erecting residence in Fall.

D. C., Washington—J. E. Fox, Bldr., 5908 16th St., N. W., has permit for \$16,000 residence, 1619 Jonquil St., N. W.; brick, 2 stories.

D. C., Washington—W. H. Hoffman, 927 15th St., N. W., has permit for 3 brick dwellings, 1865-69 Ingleside Terrace, N. W.; 2 stories; \$16,500.

D. C., Washington—Geo. G. Richards, 710 19th St., N. W., has permit for \$10,000 residence, 22 Nicholson St., N. W.; brick, 2 stories.

D. C., Washington—Young Enterprises have permit for 5 dwellings, 1140-57 Oates St., N. E.; brick, 2 stories; \$45,000.

Ga., Atlanta—Chas. D. Orme, Cft. & Southern Bank Bldg., bids in for residence, 14 W. Andrews Drive; \$45,000, rein. conc., common and face brick veneer, 2 stories and basement, conc., tile and hardwood floors, Buckingham slate and tar and gravel roof; Hentz, Adler & Shutze, Archts., Candler Bldg.

Fla., Clewiston—Southern Sugar Co., Canal Point, Capt. F. Deane Duff, Gen. Mgr., having plans drawn for 2 dwellings, Circle Drive, and Royal Palm Ave. near Crescent Drive; also let contract to Glenn Heard for \$8000 dwelling, Avenida Del Rio; latter frame and stucco, 2 stories, Celotex.

Fla., Miami Beach—Mrs. Harry Bishop, care Weed & Virrick, Archts., 2620 Biscayne Blvd., Miami, has plans ready for bids on \$25,000 residence; stucco, conc. block and rein. conc., 2 stories, tile and oak floors, tile roof, wrought iron, stone trim.

Fla., Miami Beach—John B. Reid Co., Fifth St. and Washington Ave., reported, considers erecting 3 dwellings, 37th St. and Collins Ave.

Ky., Louisville—Jas. G. Polk, Mayflower Apts., erect 2 dwellings, 2500-04 Foot Hill Rd.; \$10,000.

La., New Orleans—Mrs. Harry J. Tandy, 3514 Chestnut St., erect \$10,000 duplex, Louisiana and Roma Sts.; Harold J. Patterson, Contr., 7021 Apricot St.

La., Slidell—C. P. Aicklen, care Borden-Aicklen Auto Supply Co., Inc., 613 Baronne St., New Orleans, erect residence, Military Rd. near Slidell.

Md., Baltimore—Chas. H. Taylor, 100 W. Lexington St., erect \$10,000 residence, 5208 Tilbury Way, Homeland; 2 stories.

Md., Baltimore—H. T. Heinz, 28 Landwear Lane, erect residence bet. Fort Smallwood and Bayside Beach.

Md., Baltimore—Chester W. Snyder, 518 N. Charles St., erect residence, Turnbridge Rd. near Springlake Way.

Md., Baltimore—Clifton K. Wells, Jr., (Contr.) 3528 Old York Rd., erect dwelling, Springlake Way.

Miss., Starkville—Robt. Lampkin, City Alderman, erect 2-story brick veneer duplex, Louisville St.

Mo., Kirkwood, St. Louis—Chas. A. Witte, 108 N. Taylor Ave., erect conc. block and stucco residence, Kirkwood Rd. and Monroe St.; 1 story and basement, 50x98 ft., hardwood floors, tile bath, comp. shingle roof, hot water heat; Dan Mullen, Jr., Archt., 17 N. Meramec St.

Mo., Silex—Mrs. Elizabeth Dumm erect stone residence; 2 stories and basement, irregular dimensions, about 36x47 ft., red oak and yellow pine floors, asphalt shingle roof, hot air heat; Edw. Lantz, Archt., Wainwright Bldg., St. Louis; about ready for bids.

Mo., St. Louis—Ida S. Wagner, care F. A. Ludewig & Co., Archts., 3115 S. Grand Blvd., erect brick residence, 7300 block Maryland Ave.; 2 stories and basement, 58x33 ft., hardwood floors, tile roof and bath, tile kitchen, elect. refrigerator, vapor heat, oil burner.

Mo., St. Louis—Miss Nellie Libby, care Chas. R. Greene, Archt., Wainwright Bldg., erect brick residence, Old State Rd. near Manchester Rd.; 1 story and basement, 76x26 ft., hardwood floors, tile bath, comp. shingle roof, hot water heat.

Mo., St. Louis—Dr. O. P. J. Falk, 3720 Washington Blvd., erect brick residence, Ellenwood; cut stone, 2 stories, attic and basement, about 60x45 ft., tile bath and wainscoting, showers, slate roof, hot water heat, oil or gas burner; Wm. J. McMahon, Archt., Buder Bldg.; bids in.

Mo., St. Louis—M. J. Young Kilburz, care Wm. P. McMahon, Archt., Buder Bldg., erect brick and stucco residence, E. Moorlands Drive, Moorlands Park; 2 stories and basement, 33x45 ft.; bids in.

Mo., St. Louis—Beverly Jones, Edgewood Drive & Price Rd., erect Colonial residence, 10-acre tract, Huntleigh Village; Study & Farrar, Archts., Arcade Bldg., St. Louis; fireproof, conc. and brick, 2 stories and basement, 175x34 ft., oak, terrazzo and rubber tile floors, slate roof, \$65,000; plans in progress; See Want Section—Building Material and Equipment.

Mo., Webster Groves, St. Louis—Albert F. Williamson, care Arch Albert, Archt., Synd. Tr. Bldg., St. Louis, erect brick residence, Sherwood Drive; 2 stories and basement, 44x62 ft., slate roof, oil burner; bids in.

N. C., Concord—F. C. Niblock erect brick veneer residence; foundation in; 2 stories, 12 rooms, oak floors, slate roof; Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte.

Okla., Ardmore—Harry Moyer erect brick veneer residence; Hawk & Parr, Achts., Cotton Exch. Bldg., Oklahoma City.

Okla., Reagan—Commissioner of Fisheries, Dept. of Commerce, Washington, D. C., receives bids Sept. 4 for 2 frame 5-room and bath cottages, fisheries station near Reagan.

Okla., Tulsa—Mrs. G. S. Butler, receiving bids for hollow tile and stucco residence; tile, wood and cement floors, tile roof; Donald McCormick, Archt., Atlas Life Bldg.

Okla., Tulsa—C. W. Beck, Tulsa Loan Bldg., erect \$125,000 residence; stone veneer, 2 stories, 32x224 ft.; L. E. Blue, Archt., Mayo Bldg.; plans started.

Okla., Tulsa—Forrest E. Gilmore, Phil-tower Bldg., erect brick veneer residence; 2 stories and basement, 36x54 ft.; Fred Knoblock, Archt.; preliminary plans.

Okla., Tulsa—R. L. Howard, 1822 S. Bonlder St., erect brick, stone and half-timber residence; 2 stories and basement, 36x66 ft.; J. D. Forsythe, Archt., Exch. Natl. Bk. Bldg.; bids in.

Tenn., Memphis—Alfred R. Bernstein, 1814 Poplar Ave., has low bid from Joe Smith, 1392 Wellington St., for residence; H. M. Burnham, Archt., Goodwyn Inst. Bldg. 8-8

Tenn., Memphis—John Kimbrough, Exchange Bldg., erect \$15,000 residence, Union Ave. and Willett St.; conc., 1 story, hardwood floors, tile bath, comp. built-up roof;



H. M. Burnham, Archt., Goodwyn Inst. Bldg.

Tex., Beaumont—W. F. Treadway erect \$25,000 residence, Voth Rd. near Beaumont; F. W. Steinman & Son, Archts., San Jacinto Life Bldg.; bids in.

Tex., Houston—D. A. Skinner, 823 Hammond Ave., erect brick veneer residence, Rosewood Ave.; 2 stories, 47x34 ft., wood floors, rein. conc. foundation, shingle roof; Harvey P. Smith, Archt., Natl. Bk. of Commerce Bldg.; W. E. Simpson & Co., Engrs., Milam Bldg.; working drawings not started. 8-8

Tex., Marble Falls — Cal Gray, Brady, plans residence.

Tex., Sherman—E. W. Mulkey rejected bids on residence; revise plans and call new bids; John Tulloch, Archt., M. & P. Bk. Bldg. 8-8

Tex., Waco—E. Y. Laughlin, 2900 Colcord Ave., rebuild burned residence.

Tex., Stafford—Frank Cash, Houston, erect 15 dwellings; work start in few days.

Va., Charlottesville—St. Paul's Memorial Church started work on \$15,000 rectory; brick, 2 stories; Bradbury & Co., Archts., Richmond.

### Government and State

Ala., Montgomery—State, Seth P. Storrs, Commr. of Agriculture, establish agricultural experiment station, black belt section; to survey site during Aug.; Montgomery County Bd. of Revenue to purchase land; \$25,000 State appropriation for bldgs.; other experiment sub-stations planned.

Fla., Tampa—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., will advertise for bids Sept. 1 for \$450,000 four-story annex to Federal bldg.; bids Aug. 15 for temporary quarters. 5-23

Md., Baltimore—Additional contractors estimating on gates, driveway, betterments, etc., U. S. Immigration Station, bids Aug. 23 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; Geo. E. Ready, 1226 Massachusetts Ave., N. W., Washington; McCall & Watts, 3404 Marmon Ave.; Southern Contracting Co., 31 N. Central Ave., both Baltimore. 8-8

Tenn., McMinnville—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., may start work about Nov. 1 on \$65,000 brick and conc. post office.

Tenn., Nashville—State alter bldg., Seventh Ave., for Dept. of Labor, etc. Address Dept. of Labor, Cumberland Lodge Bldg., Seventh Ave.

Tex., Fort Sam Houston, San Antonio—Constructing Quartermaster, Will R. White, having plans drawn in office Quartermaster General, Washington, D. C., for 2 barrack bldgs. and regimental headquarters; brick and rein. concrete. 5-2

Tex., Greenville—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., probably soon start work on post office addition; C. A. Duck, Postmaster.

Va., Fort Humphreys—Constructing Quartermaster receives bids Aug. 23 for water distribution and sanitary sewer systems for n. e. o. area, Fort Humphreys. 8-8

Va., Petersburg — Quartermaster Supply Officer, Washington, receives bids Aug. 23 to remove stable, Poplar Grove National Cemetery, and erect brick and stucco stable, finish 2 room in outbuilding and furnish and install 2 frostproof toilets with septic tank, public toilets and stable drain.

### Hospitals, Sanitariums, Etc.

Ark., Osceola—Dr. W. J. Sheddan considers erecting clinic.

D. C., Washington — District Commrs., Room 509, Dist. Bldg., receives bids until Aug. 22 for remodeling power plant, Gallinger Hospital; including installing 2 stokers, resetting boilers, etc.; plans from Room 427.

Fla., Miami—Miami Sanitarium Corp. erect addition to sanitarium, cottages and 50x100-ft. swimming pool, S. W. 30th St. and S. W. Second St.; medical bldg., 1 story, 34x260 ft., with two 34x42-ft. wings 2 stories each; 4 one-story cottages, elect. baths, roof garden, elect. equipment; \$135,000; Geo. L. Pfeiffer, Archt., Bank of Bay Biscayne Bldg.; plans ready about 4 weeks; bids by invitation.

Ga., Atlanta—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., has low bid at \$410,000 from Algernon Blair, First Natl. Bk. Bldg., Montgomery, Ala., for U. S.

Veterans Hospital; infirmary, recreation bldg. and duplex officers' quarters. 8-1

Mo., Jefferson Barracks, St. Louis—Following firms estimating on N. P. bldg., M. O. C. residence and 2 duplex personnel houses, U. S. Veterans Hospital, bids Sept. 3 by U. S. Veterans Bureau, Arlington Bldg., Washington, D. C.; Hiram Lloyd Building & Construction Co., Syndicate Tr. Bldg.; Murch Bros. Construction Co., Railway Exch. Bldg.; Wm. MacDonald Construction Co., Synd. Tr. Bldg.; Sodemann Heat & Power Co., 2300 Morgan St., all St. Louis; G. H. Atkinson Co., 78 Eighth Ave., New York; Crane Co., 1800 E. St., N. W., Washington; Fred R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn.; Coath & Goss, Inc., 549 W. Randolph St., Chicago, Ill.; David Lupton's Sons Co., 16th & Walnut St., Philadelphia, Pa.; Vendor State Co., Easton, Pa.; Algernon Blair, First Natl. Bk. Bldg., Montgomery, Ala. 8-8

Mo., Kansas City — Trinity Lutheran Hospital, L. A. Johnson, Business Mgr., 3001 Wyandotte St., erect 5-story brick addition; H. C. Eckland, Archt., Gumbel Bldg.

N. C., Goldsboro—Superintendent, State Hospital receives bids until Aug. 29 for dormitory (Blue Bldg.) and storage bldg.; plans from Atwood & Nash, Inc., Archts., Engrs., Chapel Hill.

N. C., Winston-Salem—City Memorial Hospital having plans drawn by Northrup & O'Brien, Archts., Starbuck Bldg., for nurses' home; fireproof, brick, terra cotta trim, 4 stories and basement, rein. conc. frame; accommodate 60. 6-13

Okla., Alva—City selected Clay Riggins, Oklahoma City, as architect for \$50,000 hospital; bonds voted. 6-13

Okla., Holdenville—Dr. W. E. Floyd erect \$45,000 hospital; brick, stone trim, tile roof, 2 stories, 36 rooms, 4 wards, sterilizing rooms, X-ray dept., laboratory, etc.; Guy C. Reid, Archt., Elks Bldg., Oklahoma City.

Okla., Tahleah—State Bd. of Affairs, Gus C. Wollard, Sec., will probably select Layton, Hicks & Forsyth, Braniff Bldg., both Oklahoma City, as architects for \$100,000 ward bldg., Eastern Oklahoma Sanitarium.

Okla., Tulsa—City may vote in Fall on about \$75,000 bonds to purchase and equip hospital; \$30,000 of amount for equipment. Address City Coman.

Okla., Tulsa—City, Dan W. Patton, Mayor, may vote in Fall on \$400,000 to \$600,000 bonds, including probably \$75,000 to purchase and equip municipal hospital.

Okla., Vinita—State Bd. of Affairs, Gus C. Wollard, Sec., probably select Joe I. Davis, First Natl. Bk. Bldg., Oklahoma City, as architect for \$30,000 bldg., Eastern Hospital for Insane.

Tenn., McMinnville—Dr. Herman Reynolds, Viola, remodel dwelling for hospital, Faulkner Springs; install \$5000 equipment.

Tex., Lubbock—Lubbock Sanitarium, Dr. M. C. Overton, having plans drawn by S. B. Haynes, Archt., for \$60,000 fireproof nurses' home. 8-8

Tex., Beaumont—Dr. S. J. Pate, Dr. J. A. Hart, both Goodhue Bldg., and others, erect \$100,000 Beaumont Clinic, North and Main Sts.

Tex., San Antonio—State Bd. of Control, Austin, selected Leo M. J. Diehlmann, 306 E. Commerce St., San Antonio, as architect for bldg. work, San Antonio State Hospital, 1929-1930.

Tex., Sanatorium—State Bd. of Control, Austin, selected Phelps & DeWees, Gunter Bldg., San Antonio, as architects for \$100,000 adults' dormitory and \$100,000 children's bldg., State Tuberculosis Sanatorium, Dr. J. B. McKnight, Supt. 8-1

Tex., Smithville—Dr. D. Spurlock plans veterinary hospital.

Va., Warrenton—Fauquier County Hospital plans maternity ward.

### Hotels and Apartments

Ala., Anniston—Calhoun Hotel Co., Luther B. Liles Bldg., receives bids Aug. 27 for \$250,000, 6-story, rein. conc., hollow tile, brick, limestone trim, 130-room hotel; tar and gravel roof; remodel present structure and add 25 rooms; Warren, Knight & Davis, Archts., Protective Life Bldg., Birmingham; following contractors estimating: A. J. Krebs Co., Walton Bldg.; Southern Ferro Concrete Co., 70 Ellis St., N. E.; Realty Construction Co., Medical Arts Bldg.; all Atlanta, Ga.; Ogletree Construction Co., 11th St., Anniston; Algernon Blair, First Natl. Bk. Bldg., Montgomery; J. F. Holley Construction Co., Ensley; Smallman Construction Co., 1109 Fifth Ave., S.; Day & Sachs, 2400 Fifth Ave., S.; Foster & Creighton,

Protective Life Bldg.; E. G. Holladay Co., Martin Bldg.; all Birmingham. 7-11

Ala., Mobile—Malbis Hotel Co., Jason Malbis, owner of Malbis Bakery, 871 S. Broad St., Pres., plans to start work in November on \$1,000,000 hotel, Royal and St. Francis Sts.; plans by C. P. Tampary, care Malbis Bakery. 7-25

D. C., Washington—C. W. King, Jr., 908 New York Ave., N. W., erect \$30,000, 2-story, brick 8-apartment, Center St., N. W., and Ogden Road; N. R. Grimm, Archt., 816 Eighteenth St., N. W.

Ga., Macon—A. E. Reese, purchased 110-room Central City Hotel, Broadway and Mulberry Sts.; soon start work on remodeling and renovating building.

La., New Orleans—L. Aronson has permit for three fourplex, Octavia between Gen. Pershing and Gen. Taylor Sts.; \$18,000.

La., New Orleans—Jac Levy, 401 St. Charles Ave., purchased 112 x 90 ft. site, Tulane and Calborne Aves., for 5-story hotel; 7 stores on ground floor.

N. C., Greensboro—H. A. Moffit, N. Main St., reported, having tentative plans prepared by Herbert B. Hunter, 116 N. Main St., both High Point, for \$348,000, 211-room hotel. 8-8

Okla., Grandfield — J. M. Chadwick purchased Cherry Hotel; remodel, refurnish.

Tenn., Maryville—Amarine Co., Pittsburgh, Pa., Judge M. H. Gamble, local representative, plans 3-story, fireproof, 80-room hotel near Melrose Springs; A. R. McMurry Construction Co., 502 Island Home Ave., Knoxville, estimating.

Tex., Big Spring—Hotel Corp., care Dr. E. O. Ellington, having preliminary plans prepared by David S. Castle, Abilene, for \$425,000, 14-story, 100x145 ft., 150-room hotel, E. Third and S. Runnels Sts.

### Miscellaneous

D. C., Washington—Dominican Republic, Hon. A. Morales, 316 Southern Bldg., purchased site, on Massachusetts Ave., extended, for \$150,000, 3-story stone Legation; advises no build (big) contemplated at present.

Fla., Jacksonville — National Lead Co., 111 Broadway, New York, Col. J. C. Stehlin, reported, considering expending several million dollars for development at Jacksonville Beach; tentative plans include resort hotel with dancing piers, building additional 18-hole golf course, \$200,000 clubhouse, establishment yacht basin, constructing tile swimming pool with glass roof, etc.

Md., Cambridge—Cambridge Country Club, Levi B. Phillips, Chmn. Comm., plans clubhouse, 9-hole golf course; \$30,000.

Md., Monkton — Mrs. Jesse M. Manfuso, 1321 N. Calvert St., Baltimore, remodel and erect addition to residence on Gunpowder River for clubhouse; \$20,000; 2½ stories, stone.

Mo., St. Louis—Megara Augusta Society, D. LaFeria, 5350 Bischoff Ave., soon ready for bids for 2-story, brick community building, Elizabeth and Meramec Sts.; F. G. Avis, Archt., 1021 Big Bend Road, Richmond Heights.

Mo., Wellston, St. Louis—Normandie Golf Club, N. B. Marshall, Sec., 208 N. Broadway, St. Louis, plans \$100,000 brick clubhouse, St. Charles Road and Lucas Lane.

N. C., Charlotte—Kings Daughters, Mrs. J. H. Parks, Pres., 613 N. Church St., erect 10-room day nursery, 509 N. College St.

S. C., Greenville—Mayes & Walker, 17 S. Spring St., have permit to erect mortuary on E. McBee Ave.

Tex., Dallas—Dallas Builders' and Manufacturers' Exhibits, sponsored by W. W. MacGruder of Hansen-MacGruder, Inc., 5020 Bryan St., has plans by H. B. Thomson, Construction Industries Bldg., for 1-story, steel, stone, terra cotta, fireproof building; foundation for 3-story structure. See Want Section—Building Material and Equipment. 8-8

Tex., Fort Worth—Southwestern Exposition and Fat Stock Show, John D. Davis, Sec.-Mgr., Coliseum Bldg., erect exhibit buildings to replace burned structures; building No. 1, 111 x 235 ft. and building No. 2, 216 x 335 ft.; conc., tile and stucco, flat roofs, cement floors. 3-23-28

Virginia—Skyland Highway Development Co., Judge J. L. Manning, Middlesboro, Ky., Judge Chas. J. Dawson, Louisville, Ky., and others, reported, expend \$3,000,000 for development resort and summer playground at Cumberland Gap; plans include 90-room hotel; aerial tramway across Cumberland Gap, approx. 4000 ft., suspended on cables 8 hundred ft. above road, car to accommodate 20 people; dance hall, picnic ground.

### Railway Stations, Sheds, Etc.

Ark., Little Rock—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., Rwy. Exchange Bldg., St. Louis, reported, purchased site between Commerce and Rector Sts. and Fourth St. and Capitol Ave. for erection freight station, which with attendant facilities will involve expenditure of about \$1,000,000. 8-8

### Schools

Ala., Carrollton—Bd. of Education erect \$40,000, 1-story, brick school.

Ala., Mobile—City votes Sept. 9 (extended date) on \$300,000 school improvement bonds; Leo F. Eldridge, Pres., School Bd.

D. C., Washington—District Commrs., Room 509, District Bldg., receive bids Aug. 27 for 8-room extensible school, including combination gymnasium and assembly hall, M St., between Second and Canal Sts., S. W.; 560,000 cu. ft.; apply for plans at Room 427, Dist. Bldg.

D. C., Washington—Georgetown University, Dr. Coleman Neville, Pres., having preliminary plans prepared by Emile G. Perrot, 1211 Arch St., Philadelphia, and 130 W. 42nd St., New York, for following buildings: \$500,000, 3-story recitation hall; 248 ft. long, 19 lecture halls, 6 of which will have capacity of 200, first floor for offices of dean, registrar, etc.; science halls for chemistry, physics and biology—center section, \$468,000, east wing, \$453,000, west wing, \$440,000; entire length 320 ft.; \$610,000, 4-story dormitory; 250 ft. long, 82 suites; recreation room for students and chapel on first floor; all buildings stone. 7-25

Ga., Chickamauga—Following contractors estimating on school building and boys and girls dormitories for Gordon Lee Memorial School to cost \$125,000, bids Aug. 22 by R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.; Grahn Construction Co., Red Rock Bldg.; A. K. Adams Co., 542 Plum St.; Wagar & Co., Norris Bldg.; Palmer & Co., Thrower Bldg., all Atlanta; J. P. Dupree Sons Co., Rome, Ga.; Mark K. Wilson Co., Power Bldg.; George Becking & Son, James Bldg.; T. S. Moudy & Co., Chamberlain Bldg.; D. F. Brandon, James Bldg.; Martin & Warlick, 1851 Central Ave.; Rogers & Leventhal, 822 E. 11th St.; A. F. Hahn, Chamberlain Bldg.; John Parks Co., Hamilton Natl. Bk. Bldg., all Chattanooga. 8-8

Ga., Clarksville—Bd. of Education, Grover C. Oliver, Supt., ready for bids about Sept. 15 for \$25,000, 1-story and basement, brick veneer school; comp. roof, conc. and hardwood floors; Jas. J. Baldwin, Archt., Anderson, S. C., and Asheville, N. C. 7-11

Ga., Griffin—Bd. of Education, L. M. Lester, Sec., erect \$45,000, 1-story and basement, brick veneer Third Ward grammar school; Wm. J. J. Chase, Archt., 140 Peachtree St., N. E., Atlanta; bids in. 7-18

Ga., Macon—Bd. of Education, W. T. Anderson, Chmn., erect \$165,000, 3-story, rein. conc., brick and tile stone trim high school on Montpelier Ave.; comp. roof, terrazzo and tile floors, steam heat; Oliphant & Shelverton, Archts. 7-25

Ga., Rockmart—Bd. of Education, C. G. Mundy, Sec., has low bid at \$36,600 from Newman Lumber Co., LaGrange, for 1-story and basement, 229x54 ft., brick and frame, 9-classroom and auditorium school; comp. shingle roof; Robert & Co., Engrs., Bona Allen Bldg., Atlanta. 8-1

Ky., Bellevue—City votes Nov. 5 on \$110,000 bonds to erect school and for school improvements; Bd. of Education.

La., Hammond—Following contractors estimating on 1-story, 96x75 ft., rein. conc. and brick high school gymnasium, bids Aug. 21 by Tangipahoa Parish School Bd., Amite; Dominick Anzalone, Independence; Tudor & Ratcliff; R. L. Roland & Son, both Alexandria; D. E. Chapman, Southdowns; A. C. Steward, East Boulevard, both Baton Rouge; L. Delarosa, 616 Poydras St.; W. J. Quick, Pere Marquette Bldg., both New Orleans; Favrot & Livaudais, Archts., Hibernia Bk. Bldg., New Orleans. 8-1

La., Opelousas—St. Landry Parish School Bd., W. R. Prescott, Supt., receives separate bids Aug. 23 on following improvements at Opelousas High School: Repairs to floors and baseboards; completing roofing with 5-ply Barrett roofing; repairs to plaster; checking and repairing electric system; painting 2 courts complete of 6 basement rooms

Miss., Biloxi—St. John's Parochial School, Father P. J. Carey, erect library and classroom addition; contract let; John Collins, Archt.

Miss., Mount Olive—Mount Olive School Dist. Trustees, Dr. A. S. Calhoun, Pres., receives bids Aug. 17 (extended date) for \$25,-

000, 1-story, brick, stone trim, 5-classroom high school; Vinson B. Smith, Jr., Archt., Bk. of Gulfport, Gulfport; following contractors estimating: J. K. Flint, Jackson; W. S. Rutter, Brookhaven; Bradley Bros. Construction Co., Laurel; Glenn & Spence, Hattiesburg; Claude Westerfield, Mendenhall; Dye & Mullings, Columbia; T. G. Slay, Magee; E. E. Carroll, Gulfport; Smith & Bond, Wiggins. 8-1

Miss., Oxford—Mississippi Building Comsn., W. C. Trotter, New State Capitol Bldg., Jackson, receives bids Aug. 19 (extended date) for following at University of Mississippi: Repairing and reconditioning Taylor Hall dormitory; erecting cottages, together with plumbing, heating, and electric wiring; repairing Physics and Astronomy Bldg.; installation refrigeration in cafeteria building; construction and installation power plant equipment, including smoke stack, repairs, distribution piping, water piping, tunnels and conduit; moving approx. 40,000 yd. dirt and installation conc. sidewalks; plans from Frank P. Gates, Archt., Edwards Hotel Bldg., Jackson. 8-1

Miss., Prentiss—Prentiss Consolidated School Dist. votes Aug. 30 on \$15,000 bonds for brick school. 8-8

Md., Baltimore—Loyola College, Father A. S. McEneaney, Pres., Charles St. and Green Spring Ave., having plans prepared by L. R. White, Hearst Tower Bldg., for \$150,000, 3-story, stone Engineering Bldg.

Md., Ilchester—Donaldson School for Boys, W. A. McClonthen, Pres., 816 N. Eutaw St., Baltimore, having plans prepared by Mottu & White, 527 N. Charles St., Baltimore, for \$25,000, 1-story brick gymnasium to replace burned structure.

Md., Lutherville—Maryland College for Women, Robert W. Black, Garrett Bldg., Baltimore, reported, to expend \$50,000 for additions and remodeling buildings, advises nothing definite at this time; only undertaking absolutely necessary repairs.

Md., Rockville—Montgomery County School Comms., E. A. Broome, Sec., soon ready for bids for \$30,500, 1-story brick school at Alta Vista; H. W. Cutler, Archt., 1800 E St., N. W., Washington, D. C.

Md., Stevensville—School Bd., Dr. J. R. Benton, Chmn., Bldg. Comm., soon ready for bids for \$25,000, 2-story, brick high school; W. D. Brinkloe, Archt., Stewart Bldg., Easton.

Miss., Bay Springs—Bay Springs Consolidated School Dist. Trustees, H. H. Stringer, Sec., rejected bids for \$20,000, 1-story, rein. and brick school; readvertise for new bids soon. 8-1

Mo., Columbia—Pi Beta Phi Sorority, Mrs. M. Lipscomb, Chmn., Bldg. Comm., erect \$40,000, 3-story brick building; F. H. Miachelis, Archt., Tower Bldg., Kansas City.

Mo., Marceline—Bd. of Education, E. B. Dobyns, Chmn., soon ready for bids for \$90,000 high school; W. R. Hulse & Co., Archts., Stamey Hotel Bldg., Hutchinson, Kans. 7-25

N. C., Greenville—Following contractors estimating on second unit of training school, first unit of classroom building, administrative building and infirmary at East Carolina Teachers College, bids Aug. 21: W. B. Barrow; John W. Hudson, both Professional Bldg., both Raleigh; T. A. Mitchell, First Natl. Bk. Bldg., Winston; D. J. Rose & Son; S. S. Toler & Son, both Rocky Mount; Jones Brothers, Planters Bk. Bldg., Wilson; W. P. Rose, Goldsboro; Jewell-Middle Co., Sanford; R. B. & R. L. Blacklock, 300 S. McLewain St., Kinston; Angle-Blackford; J. L. Crouse, both American Exch. Bk. Bldg., Greensboro; Brown-Harry Co., 237 E. Main St., Gastonia; Ward & Thomason, Lexington; U. A. Underwood, Inc., Murchison Bldg., Wilmington; G. R. Berryman, Archt., Odd Fellows Bldg., Raleigh. 8-1

N. C., Hoffman—Morrison Training School, Dr. L. L. Boyd, Supt., erect dormitory building and trades building; M. R. Marsh, Archt., Builders Bldg., Charlotte; bids in.

N. C., Locust—Stanly County Bd. of Education, J. L. Whitley, Albemarle, soon let contract for \$12,000, brick veneer, 5-classroom and auditorium elementary school.

N. C., Shelby—Special School Dist. No. 33 voted \$58,000 bonds. 7-25

N. C., Winston-Salem—Bd. of Education receives bids Aug. 27 for 3-story, rein. conc. and brick South Jr. High School near Southside Park, between Woughtown and Main Sts.; Northup & O'Brien, Archts., Starbuck Bldg. 10-18-28

Okla., Alva—State Bd. of Affairs, Gus C. Wollard, Sec., Oklahoma City, selected Layton, Hicks & Forsyth, Oklahoma City, to prepare plans for repairs to heating plant at Northwestern State Teachers College, Alva,

\$42,000; heating plants for School for Deaf at Sulphur and negro school at Langston, \$75,000; selected Drury Moseley Co. as architect for ward building for Home for Feeble Minded, Enid, \$60,000; ward building at Training School for Girls, Tecumseh, \$50,000; heating plant at Central State Teachers' College, Tahlequah; building at Southwestern State Teachers' College, Weatherford, \$50,000; also selected Joe I. Davis, 435 E. 35th St., Oklahoma City, to prepare plans for repairs to school at Northeastern State Teachers' College, Tahlequah.

Okla., Enid—See Okla., Alva.

Okla., Langston—See Okla., Alva.

Okla., Lawton—State Bd. of Agriculture, Harry B. Cordell, Pres., Oklahoma City, receives bids Sept. 3 for \$110,000 administration building at Cameron State School, Lawton; \$115,000 boys' dormitory at Conner School of Agriculture at Warner; \$100,000 infirmary and \$40,000 repairs at old Central Bldg. at A. & M. College, Stillwater.

Okla., Sand Springs—Bd. of Education rejected bids for 4-story, 83x127 ft., brick, stone and steel high school addition; Rush, Endacott & Goff, Archts., Wright Bldg., Tulsa. 4-11

Okla., Stillwater—See Okla., Lawton.

Okla., Sulphur—See Okla., Alva.

Okla., Tahlequah—See Okla., Alva.

Okla., Tecumseh—See Okla., Alva.

Okla., Warner—See Okla., Lawton.

Okla., Weatherford—See Okla., Alva.

S. C., Greenwood—School Bd., W. E. Black, Supt., ready for bids in Sept. for 6-classroom and auditorium addition to grammar school; addition to high school and gymnasium; \$100,000, brick and conc., comp. roof; Chas. C. Wilson, Archt., Palmetto Bldg., Columbia; J. C. Hemphill, Asso. Archt., Greenwood. 7-11

S. C., Sumter—School Dist. No. 1 (Sumter township outside city limits) voted \$30,000 school bonds.

Tenn., Daisy—Hamilton County Bd. of Education, has low bid at \$41,735 from John Parks Co., 315 Oak St., for 2-story, 35x234 ft., brick school; Louis H. Bull and N. G. Manning, Asso. Archts., Volunteer Bldg., all Chattanooga. 8-8

Tenn., Munford—Tipton County Bd. of Education, Eugene Younger, Sec., Covington, erect school; bids in Aug. 16.

Tex., Austin—Bd. of Education, E. A. Murchison, Pres., rejected bids for remodeling old Church Bldg. into junior high school gymnasium; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Angleton—Angleton Ind. School Dist. Trustees receive bids Aug. 17 for additions and repairs to grammar school and high school; \$80,000; Giesecke & Harris, Archts., Second Natl. Bk. Bldg., Houston, and 207 W. Seventh St., Austin. 6-27

Tex., Austin—Phi Delta Theta Fraternity, 411 W. 23rd St., Kappa Sigma Fraternity, 203 W. 19th St., and Delta Tau Delta Fraternity plan frat houses on University of Texas campus.

Tex., Brownsville—Brownsville Ind. School Dist. voted \$75,000 bonds. 8-8

Tex., Denton—North Texas State Teachers' College started campaign to raise \$225,000 for Memorial Tower on college campus.

Tex., Stafford—School Committee, Frank Congelosi, Chmn., erect school.

Tex., Lufkin—Lufkin Ind. School Dist. votes Aug. 28 on \$40,000 bonds for brick and conc. high school gymnasium. 8-1

Tex., Meadow—Meadow Ind. School Dist. voted \$50,000 building and equipment bonds.

Tex., Oakhurst—Oakhurst Ind. School Dist. Trustees have plans by McLelland & White, West Bldg., Houston, for \$35,000, 5-classroom and auditorium school; bids in. 6-27

Tex., Plainview—Wayland College Trustees erect \$25,000 gymnasium, gift of Lindsay Nunn, Amarillo.

Va., Charlottesville—School Bd. purchased 386-ft. site on Belmont Ave. for \$250,000 elementary school; Calrow, Browne & Fitz-Gibbon, Archts., Royster Bldg., Norfolk.

Va., Sylvan—Carroll County School Bd., L. R. Lindsay, Clk., rejected bids for 1-story, brick high school; have plans revised and call for new bids. 7-25

W. Va., Fairmont—Union Ind. School Dist., Victor H. Shaw, Pres., receives bids Aug. 21 at office C. H. Snider, Archt., Professional Bldg., for annex to East Park school; sep-



arate bids for installation split steam heating system and mechanical furnace blast system; plans from architect. 6-6

### Stores

D. C., Washington—Herbert B. Plaster has permit for 2-story addition and garage, 3102 P St., N. W.; \$15,000.

D. C., Washington—Triangle Motor Co. has permit for 2 brick and conc. stores, New York Ave. and N. Capitol St.; \$20,000.

Fla., Miami Beach—J. B. Fenton, care Wm. F. Bonsack, Contr., 1659 Alton Road, soon start work on \$10,000, 1-story, rein. conc., cinder block and stucco store; cement floors, tile and comp. roof.

Fla., Miami Beach—Wilfred Real Estate Co., soon ready for bids for \$40,000, 1-story, 100x125 ft. store, Collins Ave. and 5th St.; E. L. Robinson, Archt., Calumet Bldg., Miami.

Ga., Atlanta—Capitol City Tobacco Co., 176 Marietta St., N. W., has permit for \$10,000, 1-story, brick store, 192-4 Decatur St.

Ga., Augusta—Doremus Estate soon ready for bids for alterations and addition to store; 2 stories and basement, 272x40 ft., brick, hollow tile, cast stone trim, tile and conc. floors, metal covered roof; Willis Irvin, Archt., S. F. C. Bldg.

La., Monroe—F. T. Smith, 201 Sixth St., erect 2-story brick store and apartment on 6th St.

Mo., Joplin—C. A. Malsbury, 320 Wall St., erect \$20,000, 2-story, brick store.

Mo., Joplin—Myers Tri State Supply Co., W. D. Myers, Pres., 5th and Wall Sts., erect addition and remodel store; \$20,000, 2 stories, brick; Smith & Van Pelt, Archt., Joplin Natl. Bk. Bldg.

N. C., Asheville—Following contractors estimating on 4-story, 45 x 106 ft., rein. conc., struc. steel, brick, stone trim building, 34 Haywood St., for Bon Marche Department Store, S. Lipinsky Sons & Co., Inc., owners; bids Aug. 17, at office H. L. Gaines, Archt., Flatiron Bldg.; John M. Geary Co., Grove Arcade Bldg.; George H. Wilson, Hilltop Rd., Biltmore Forest; L. L. Merchant Construction Co., 290 Biltmore Ave.; Edmund J. Tyler, 11 Hayes Ave.; Dion A. Roberts, 17 Church St., all Asheville; John S. Shytle, Rutherfordton. 6-27

N. C., Charlotte—C. C. Hook, Archt., Commercial Bk. Bldg., preparing plans for reconstructing Dunn Bldg., on W. Trade St., for clothing store; 2 stories.

N. C., Winston-Salem—Mrs. W. N. Reynolds receives bids Aug. 20 for \$150,000, 3-story, brick and rein. conc. store; built-up roof, terra cotta trim, 3 elevators; Northrup & O'Brien, Archts., Starbuck Bldg.; following contractors estimating: Frank L. Blum & Co., 110 E. Second St.; Fogle Bros. Co., 202 Belevs St.; North Eastern Construction Co., Nisson Bldg., Kessler Construction Co., Farmers Bk. Bldg.; Goode Construction Co., Wachovia Bk. Bldg.; J. L. Crouse; W. H. Fetter Co., Realty Bldg., all Winston-Salem; 6-27

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Ala., Birmingham—Local No. 103, United Brotherhood of Carpenters & Joiners of America, 709 N. 17th St., let contract at \$74,847 to Smallman Construction Co., 1109 Avenue E, for lodge bldg., rein. conc., brick and tile, stone trim, 2 stories with foundation for 4 additional floors, built-up roof, steam heat; Warren, Knight & Davis, Archts., Empire Bldg. 8-1

Fla., Tarpon Springs—Young Women's Christian Assn., Tampa, let contract to R. W. Mair for \$10,000 camp, Crystal Beach; 60x90-ft. main bldg., 4 two-story cottages, 15x20 ft., frame. 4-18

Ga., Atlanta—Ancient Free and Accepted Masons, 216 Peachtree St., N. E., remodel fourth and fifth floors of temple; Chas. H. Hopson, Archt., Healey Bldg.; Chas. Wm. Bernhardt, Contr., 250 Hunnicutt St., S. W.

Tex., Dallas—Young Men's Christian Assn. let contract to A. J. Rife Construction Co., Construction Industries Bldg., for Moorland Branch, Flora and Bell Sts.; \$130,000, steel and conc., 4 stories, 100x100 ft., cement, terrazzo and linoleum floors, tile roof, steel windows; furnishings, equipment, etc., \$20,000; Bryan & Sharpe, Archts., Construction

R. K. Stewart & Son, 154 S. Main St., High Point; Geo. W. Kane; Walter Kidde Co., both Jefferson Bldg., Greensboro. 8-8

Okla., Tulsa—Lerner Store Corp., 354 Fourth Ave., New York, soon call for bids for \$45,000 improvements to store; brick and conc., comp. roof, conc., tile and terrazzo floors; Chas. N. Winston & Bros., Archts.-Engrs., 6 E. 46th St., New York; John Starr, Archt., Tulsa.

Okla., Tulsa—H. R. Halliburton soon call for bids for remodeling store; \$125,000; Leland I. Shumway, Archt., Alexander Bldg.

S. C., Spartanburg—Sherwin-Williams Co., C. D. Burgess, 601 Canal St., Cleveland, Ohio, remodel building on E. Main St. for store.

Tex., Houston—S. S. Lard Investment Co., erect \$25,000 store, Telephone Road near Leeland; B. W. Holtz, Archt., 1214 Barkdull St.

Tex., Lampasas—R. F. Senterfitt and H. V. Campbell erect stores for J. C. Penney Co. and Bailey-Leyman, Inc.

Tex., Plainview—Knoolhuizen, Boyd & Davenport have permit for \$10,000 store.

Tex., Plainview—C. Veigel has permit for \$11,000 store.

### Warehouses

D. C., Washington—Sanitary Grocery Co., Edw. G. Yonker, Pres., 1845 Fourth St., N. E., receives bids Aug. 20 for 4-story warehouse, Eckington Place and R St.; separate bids on mechanical equipment; rein. conc., brick spandrel parapet walls, stone trim, conc. floors, tarred felt and slag rolled roof, steel windows; The Ballinger Co., Archt., 12th and Chestnut Sts., Philadelphia.

Ga., Augusta—W. W. McElmurray & Co., 923 Broad St., has low bid at \$13,300 from Sibert & Robinson, 126 Eighth St., for 2-story and basement, 45x85 ft., hollow tile and stucco warehouse, 1122 Jones Ave.; built-up roof, conc. floors; Scroggs & Ewing, Archts., S. F. C. Bldg. 8-1

Ga., Columbus—Central of Georgia Rwy., C. E. Weaver, Ch. Engr., Savannah, soon ready for bids for brick and frame warehouse; comp. roof.

Md., Salisbury—Feldman Bros., Dock St., erect \$30,000, 3-story brick warehouse on Commerce St.

Tenn., Knoxville—Dean Tobacco Warehouse Co., J. W. Dean, Pres., Shawnee Woods, Kingston Pk., soon call for bids for \$80,000 warehouse on Jackson Ave.; fireproof, steel frame work, conc. floors, siding of conc. blocks or sheet metal; 36,000 sq. ft. floor space.

### Theaters

La., Opelousas—A. Higginbotham, 969 Louisiana Ave., Baton Rouge, plans to start work soon on \$100,000 theatre, Bellevue and Main Sts. 9-13-28

Tex., Beaumont—Little Theatre, Mrs. Marrs McLean, Chmn., Comm., 1262 Calder St., plans theater in 2500 block McFadden Ave.

Industries Bldg.; R. F. Taylor, Engr; heating, Dallas Heating & Ventilating Co., 2422 Alamo St.; plumbing, Sanguinet & Payne, 2102 Live Oak St.; elevators, American Elevator Co., Constr. Bldg. See Want Section—Building Material and Equipment. 6-27

Tex., Navasota—Ancient Free and Accepted Masons let contract for \$40,000 temple to H. S. Jopling & A. T. Hingle, 3308 Smith St., Houston; rein. conc., brick, tile and cast or natural stone, 2 stories and balcony, 50x115 ft.; Giesecke & Harris, Archts., Second Natl. Bk. Bldg., Houston. 7-11

### Bank and Office

Fla., Orlando—First National Bank & Trust Co.'s \$300,000 bank and office bldg.; pouring conc. foundation; soon let contracts for mechanical work; structure fireproof, granite on 2 sides, brick, 3 stories and mezzanine, 90x87 ft., elevator, soundproof walls, marble and bronze trim in banking room, oil burning heating system; Howard M. Reynolds, Archt., 423 S. Orange St., Orlando; Geo. W. Hessler, Contr., 111 W. Ashley St., Jacksonville. 6-27

La., Shreveport—First National Bank let contract to Werner Co., Inc., Commercial Bk.

Bldg., to remodel interior; \$50,000; furnishings, equipment, etc., \$50,000; Clarence W. King, Archt., Giddens-Lane Bldg. 6-27

Mo., Kansas City—University Building Co., Wm. M. Hall, Pres., Hall Bldg., Ninth and Walnut Sts., let contract for 440 tons struct. steel for 10-story office bldg., 908 Baltimore Ave., to Kansas City Structural Steel Co.; structure terra cotta for first 3 floors, remainder brick with terra cotta trim, 50x125 ft.; Wm. R. Bovard, Archt., Orear Leslie Bldg. 5-30

Mo., St. Louis—Missouri State Life Insurance Co., 15th and Locust Sts., alter 16-story City Club bldg., 11th and Locust; \$50,000; J. Wonderlich, Archt., 4930 Tholozan St.; W. Nelson Cunliff Co., Contr., 3327 Lindell Blvd.

Mo., St. Louis—Phillips Petroleum Co., Bartlesville, Okla., let contract at about \$34,000 to Pelligreen Construction Co., 816 Pine St., St. Louis, for office and warehouse bldg., 6291 Suburban Ave.; work started; conc., brick and steel, 36x100 ft., cement floors, conc. foundation; R. A. Walker, Archt., Bartlesville; address equipment proposals to V. Lambert, 6309 Suburban Ave. 7-4

N. C., Charlotte—Southern Public Utilities Co., S. Church St., extend show room, about 50x50 ft., in bldg.; tile floor, copper show windows; Lockwood Greene Engineers, Inc., Archts., Wilson Bldg.; Thomson-Bartholemew, gen. contract on cost plus basis.

Tex., Dilley—Chamber of Commerce erect rein. conc., cast stone, brick, tile and stucco bldg.; 1 story, 40x28 ft., clay tile coping and roof, metal lath, cement floors; Page Bros., Archts., Austin Natl. Bk. Bldg., Austin; W. J. A. Cromin, Contr., Pearsall.

Tex., Fort Worth—R. O. Dulaney, Petroleum Bldg., and associates, let contract to Harry B. Friedman, First Natl. Bk. Bldg., for \$1,000,000 office bldg., Fifth and Main Sts.; razing Van Zandt Bldg. on site; granite base, cast stone or terra cotta for 2 stories, remainder cast stone, terra cotta or brick, 15 stories and basement, 75x100 ft., steel, tile, tile and metal lath partitions, 3 elevators, marble corridors; W. G. Clarkson & Co., Archts., Natl. Bk. Bldg. 7-25

### Churches

D. C., Washington—Disciples of Christ, care Rev. E. Willey, 1483 Harvard St., N. W., reported, let contract to Geo. A. Fuller Co., Munsey Bldg., for \$1,750,000 National Church and Sunday school, Massachusetts Ave. and 14th St.; stone, 1 story; John Russell Pope, Archt., 542 Fifth Ave., New York; plans ready about Sept. 1. 5-10

D. C., Washington—Christ P. E. Church, Rev. E. P. Wroth, Pastor, 3112 O St., N. W., let contract to R. Wilmer Bolling, 1 DuPont Circle, N. W., for \$25,000 Sunday school addition; face brick, terra cotta, 2 stories; W. G. Peter, Archt., Union Tr. Bldg. 1-24

Mo., High Ridge—St. Martins Evangelical Church let contract to Nolan & Maxwell Corp., 318 N. Grand Blvd., for bldg.; brick and rein. conc., 1 story and basement; Theo. Steinmeyer, Archt., International Life Bldg., both St. Louis. 8-1

Mo., St. Louis—Grand Ave. M. E. Church, South, let contract to Fruin-Colon Contracting Co., Merchants-Laclede Bldg., for \$100,000 church and Sunday school, Grace and Fairview Aves.; brick and stone, 2 stories and basement, about 45x64 ft. and 64x54 ft.; Ferrand & Fitch, Archts., 6188A Delmar Blvd. 7-4

Mo., St. Louis—Jewish Congregation, care Isaac Wilner, Contr., 5811 Cote Brillante, erect \$20,000 synagogue, 1444 Goodfellow Blvd.; brick, 1 story and basement, 34x70 ft., comp. roof, maple floors, steam heat.

Mo., University City, St. Louis—D. W. Stinson, 7135 Amherst Ave., erect brick residence, University Terrace; 2 stories and basement, 26x30 ft., tile bath, hardwood floors, comp. shingle roof, hot water heat; Chas. R. Greene, Archt., Wainwright Bldg.; work by sub-contract.

N. C., Bostic—Salem Methodist Church near Bostic erect Colonial bldg., Kingsport; brick, orna. stone trim, 43x72 ft., 4 columns; auditorium, 12 classrooms, kitchenette; Kynard T. Baynard, Archt.-Contr., Forest City.

Okla., Oklahoma City—Second Church of Christ, Scientist, 19th and Cross Sts., start work in week on brick veneer bldg.; 1 story, 50 x 93 ft., oak and tile floors, conc. foundation, slate roof; furnishings, equipment, etc., \$10,000; John Mathews, Archt.; T. M. Peterson, Engr., both Magnolia Bldg.; C. B. Hamilton, Contr., Box 102. See Want Section—Building Material and Equipment. 8-1

S. C., Greenville—St. Marys R. C. Church let contract to Gallivan Building Co., Gallivan Bldg., for \$25,000 parish house, Hampton Ave.; 50x110 ft.; laying foundation. 5-16

Tex., Dallas—Fundamental Baptist Church, Victor and Fitzhugh Sts., East Dallas, started work on \$50,000 tabernacle; steel and brick, accommodate 6500 on main floor; bldg. to accommodate 300 cars in rear; V. E. Shanklin, Archt., 5507 Mercedes St.; Lee Humphrey Construction Co., Contr., 6850 Gaston St.

Tex., Galveston—Central Christian Church let contract to Lem Bros. for \$40,000 bldg., 28th St. and Ave. 0½; brick veneer. 4-25

Tex., Houston—Palmer Chapel, Harry Weiss, Chmn., Bldg. Comm., care Humble Oil & Refining Co., let contract to Tellepsen Construction Co., 3900 Clay St., for parish house, Main St. and Hermann Ave.; hollow tile and stucco, 2 stories, 50x125 ft., rein. conc. foundation; John F. Staub, Archt., Second Natl. Bk. Bldg.

Tex., Panhandle—Methodist Church excavating for \$40,000 bldg., Main St.; red brick; J. Roy Smith, Archt., Blackburn Bldg.; S. F. Pelton, Contr., 1606 Monroe St., both Amarillo.

Tex., Palestine—Grace Methodist Church repair bldg.; contract let.

Tex., Uvalde—Church of Christ let contract to Majors Construction Co. for brick bldg., Gardner and Getty Sts.; 34x64 ft.; Will N. Noonan Co., Archt., Builders Exch. Bldg., San Antonio.

### City and County

Ark., Little Rock—City, Pat L. Robinson, Mayor, will not hold election Aug. 19, as lately noted, on \$2,700,000 bonds, including \$300,000 for fire equipment, \$900,000 for municipal auditorium and \$55,000 for addition to city hospital. 7-18

Fla., Jacksonville—Jacksonville Free Public Library let contract for brick branch library, Park and Cherry Sts., to O. P. Woodcock Co., Lutz Bldg.; 1 story, 220x150 ft., steel truss roof; Bernard W. Close, Archt., Bisbee Bldg. 7-25

Miss., Laurel and Ellisville—Jones County Bd. of Suprs. let contract to Bradley Bros. Construction Co. Laurel, to repair courthouses at Laurel and Ellisville; \$10,000; L. W. Duffee, Archt., Norman Bldg., Laurel. 7-18

Miss., Meridian—Lauderdale County Bd. of 2160 Sixth St., for courthouse repairs; \$10,000; P. J. Krouse, Archt., M. & W. Bldg. 7-18

S. C., Spartanburg—Spartanburg County Bd. of Commrs., John A. Law, Chmn., let contract to C. M. Guest & Sons, Anderson, for courthouse annex; red face brick, limestone trim, 2 stories, 53x50 ft., rein. conc. floors and roof, vaults; Lockwood Greene Engineers, Inc., Archts.-Engrs., Spartanburg. 6-18

Va., Clarendon—Clarendon Fire Dept., Noland D. Mitchell, Chmn., Bldg. Comm., started work on fire station; Arthur J. Porter, Contr.

### Dwellings

Ala., Birmingham—G. L. Morris, 2722 S. Tenth Ave., erect brick veneer residence, Warwick Manor; 2 stories, 7 rooms, comp. roof, steam heat; Jesse W. Green, Archt., 517 N. 22nd St.; owner builds.

Ala., Birmingham—Paul Penny, Watts Bldg., erect \$12,500 residence, Carlisle and Oxford Rds., South; brick veneer, 2 stories, 34x46 ft., asbestos roof, furnace; Sam C. Molloy, Archt., Protective Life Bldg.; P. P. Aldridge, Contr., 622 Alabama Ave.

Ala., Birmingham—W. B. Shields, 1712 S. 14th Ave., let contract to Jesse W. Alexander, 900 Graymont Ave., W., for residence, Miller Heights; brick veneer, 2 stories, slate roof, steam heat; Jesse W. Green, Archt., 517 N. 22nd St. 7-4

Ala., Birmingham—Valentine J. Nesbit, Amer. Traders Bldg., let contract to L. E. Ford & Co., Mt. Brooke Village, for residence, Redmont Park; brick veneer, 2 stories, slate roof, steam heat; Warren, Knight & Davis, Archts., Protective Life Bldg. 7-11

Ala., Foley—Mrs. J. B. Foley completed frame for residence near Foley; A. A. Rich, Landscape Archt.

Ala., Montgomery—John H. Haardt, 4 Watson St., erect 2 brick veneer dwellings, Woodrow St.; 1 and 1½ stories, comp. roofs; \$12,000; day labor.

Ark., Parkin—Chas. Clayton erecting brick residence; 1 story, pine floors, comp. roof; owner builds.

D. C., Washington—Judge Chauncey Parker, care J. J. Whelan, Archt., 1713 L. St.,

N. W., Washington, let contract to R. Wilmer Bolling, 1 DuPont Circle, N. W., both Washington, for \$50,000 residence, 2505 Massachusetts Ave., N. W.; brick 4 stories; Mr. Whelan, Archt.; Howe & Church, Asso. Archts., 76 Westminster St., Providence, R. I. (Contr. lately incorrectly reported) 8-1

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for dwellings, 2909 Foxhall Rd., N. W., 4913 Indian Lane and 4525 Garfield St., N. W.; brick and stone, 3 stories; \$44,000; owners build.

Fla., Coconut Groves, Miami—Cyrus F. Wicker erect 2-story residence, garage and servants' quarters, The Moorings; rein. conc. slab, conc. and conc. block, 70x55 ft., tile and oak floors, steel sash, cast stone, wrought iron; Phineas E. Paist and Denman Fink, Archts.; F. N. Diegaard, Contr., Baldwin Bldg.

Fla., Daytona Beach—Edw. Haupt, 53 W. Jackson Blvd., Chicago, Ill., let contract to Alex. Hermanson, Daytona Beach, for \$20,000 residence; stone tile walls, 2 stories and basement, tile and oak floors, tile roof and baths; Harry M. Griffin, Archt., 300 N. Grandview Ave., Daytona Beach. See Want Section—Building Material and Equipment. 8-1

Fla., Lake Wales—H. H. Williams, Highland Park, started work on \$20,000 residence; conc. and stucco, 12 rooms, tile roof, tile floors; Allen George, Archt., Toronto, Canada; L. S. Acuff, Contr., Lake Wales.

Fla., Macclenny—Judge W. C. Thompson let contract to Arthur Rowe for additional bungalow, College and Carroll Aves.

Fla., Miami Beach—Robt. A. Jackson, Oakdeen Farm, near Pittsburgh, Pa., erect \$50,000 to \$60,000 residence, garage and servants' quarters, Altos Del Mar No. 2; Mediterranean farm type; Wm. F. Brown, Archt., Coolidge Bldg., Miami Beach; contract let.

Fla., Miami Beach—W. H. Weber, Chicago, Ill., let contract to R. G. Witters Co., 1745 S. W. Sixth St., Miami, for \$27,000 residence, 40th St. and Indian Creek Drive; rein. conc. and conc. block, 2 stories, 48x40 ft., cement, tile and oak floors, tile and comp. roof; Wm. D. Lingler, Archt., 14 S. E. Sixth St., Miami. 8-8

Fla., Miami Beach—W. H. Kirn, 74 Arden Pike, Detroit, Mich., let contract to Wm. F. Bonsack, 1659 Alton Road, Miami Beach, for \$45,000 residence, garage and servants' quarters, Pine Tree Drive near 59th St.; stucco and hollow tile, cast stone trim, 2 stories, 36x70 ft. and 23x29 ft., Mifflin tile roof over Armstrong cork, terrazzo and oak floors, tile baths; Kishnel & Elliott, Archts., Seybold Bldg., Miami. 7-25

Fla., Miami Beach—Mr. Gillian, care Russell Pancoast, Archt., Lincoln Rd., let contract to Miami & Beach Construction Co., 151 N. E. First St., Miami, for \$15,000 residence, Pine Tree Drive; rein. conc., conc. block and stucco, 2 stories, oak floors, tile and comp. roof. 8-1

Fla., Miami—G. C. Kirkland, 1244 Anastasia Ave., erect \$30,000 dwelling, garage and servants' quarters, Fairhaven subdivision; rein. conc., conc. block, 2 stories, 83x54 ft., 3 tile baths, tile and oak floors, tile roof, steel sash; John & Coulton Skinner, Archts., French Village, both Coral Gables; owner builds.

Fla., Miami Beach—Jas. Hammond, Pittsburgh, Pa., and care John N. Bullen, Archt., Exch. Bldg., Miami, let pile and foundation work contract for \$75,000 residence to Gunn & Goll, Inc., Security Bldg., John B. Orr, Inc., 147 N. E. Sixth St., and Sandquist & Snow, Inc., 2632 S. W. 28th Lane, all Miami, to estimate. 8-8

Fla., Miami Beach—J. C. Pidgeon erect \$11,000 residence, Meridian Ave. near Ninth St.; Wade & Oemler, Archts.; G. A. Chapman, Contr., both Exchange Bldg.

Fla., Miami Shores—New Miami Shores Corp., 1317 Biscayne Blvd., Miami, erect \$15,000 model dwelling and garage, New Miami Shores; also remodel dwelling, 309 N. E. 98th St., \$12,000; Weed & Virrick, Archts., 2620 Biscayne Blvd., Miami; C. W. Bell, Constr. Supvr.

Fla., Pensacola—Dr. A. M. Ames, Blount Bldg., erect \$33,000 Tripletex Indiana face brick veneer residence and garage, Baylen and Lee Sts.; 2 stories, 10 rooms, orna. stone exterior trim, including steps, porch rails, ballusters, etc., oak and tile floors, tile walls in kitchen, Ludowici-Celadon Spanish tile roof, copper gutters and flashings, gum wood interior trim, 3 tile baths, bath in garage, built-in cabinets, sunken garden with fountain; J. J. Patton & Son, Archts.-Contrs.

Ga., Augusta—Thos. K. Windham Co., Mortgage Guar. Bldg., erect 2 dwellings; brick veneer, 2 stories, hardwood and tile

floors, com. roof, steam heat; \$30,000; owner builds.

Ga., Augusta—Jos. E. Campbell, 935 Johns Rd., erect frame and stucco residence, Penn. Ave., Forrest Hills; hardwood and tile floors, comp. or slate roof, steam heat; Seibert & Robinson, Scroggs & Ewing, Archts., S. F. C. Bldg.; Seibert & Robinson, Contr., 126 Eighth St.

Ga., Bolton—Georgia Power Co., let contract to Crenshaw & McIver, Candler Bldg., both Atlanta, for 65x45-ft. supt's dwelling and two 60x35-ft. operators' dwellings, Atkinson Steam Plant; conc. block and stucco, 1 story, hardwood and tile floors, conc. foundations, Johns-Manville asbestos shingle roof, Crittall steel sash and screens; plans by Empire Construction Co., Atlanta; all orders placed. 8-8

La., New Orleans—Henri G. DeFraitres, Contr., 304 Camp St., erect double dwelling.

La., New Orleans—J. M. Werling, Contr., 2909 St. Bernard Ave., erect double dwelling, Arts St. near Urquhart St.

La., New Orleans—A. J. DeLima erect double residence, Robertson and Claiborne Sts.; E. Simoneaux, Contr., 2666 Verbeaue St.

La., New Orleans—J. Armon, Contr., 333 Brockenbrough Ct., erect raised brick and hollow tile dwelling, Alexander St. near Toulouse St.; oak floors, hot air heat, orna. iron, ready for sub-bids about 1 week.

Md., Baltimore—H. H. Wrenn erect \$15,000 residence and garage, 202 Belvedere Ave.; stone, 2 stories, 49.8x35 ft.; slate roof; plans by owner; T. J. Morgan, Contr., 4400 Grand View Ave.

Md., Baltimore—John Welsh erect 3 brick dwellings, 1432-36 Carswell St.; brick, 2 stories, 19.4x30 ft., slag roofs; \$10,500; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.

Md., Baltimore—Stoneleigh Corp., York Rd., erect 5 dwellings, Stoneleigh; stone, 2½ stories; \$100,000; H. Appleton Stillwell, Archt., 203 N. Davis St.; Peyton B. Strobel Construction Co., Contr., 206 E. Lexington St.

Md., Baltimore—E. Paul Mason, Fidelity Bldg., let contract to Earl G. Taylor, 3125 Abell Ave., for \$12,000 stone residence and garage, 5207 St. Albans Way; 2½ stories, 43x38 ft., slate roofs, hot water heat; \$12,000; Howard C. Hall, Archt., Calvert Bldg. 5-30

Md., Baltimore—Jos. Hanley erect \$10,000 frame residence and garage, 319 Broxton Rd.; H. A. Stilwell, Archt.; Peyton B. Strobel Construction Co., Contr., both 206 E. Lexington St.

Md., Baltimore—Albert E. Heimert, Windsor Court Apt., erect \$10,000 residence and garage, 208 St. Dunstons Rd.; stone, 2 stories, 32x43.6 ft., slate roof, hot water heat; E. H. Glidden, Jr., Archt., American Bldg.; J. S. Downing, Contr., 2609 Greenmount Ave.

Miss., Starkville—Colonel Grinstead, care Military Dept., A. & M. College, erect brick residence; Camp & Herzer, Contrs.

Mo., St. Louis—Redemptorist Fathers, 1118 N. Grand St., remodel rectory; \$10,000; O. Hills, Archt.; W. J. Lynch Co., Contr., 2415 N. Kingshighway.

Mo., St. Louis—J. J. Manche erect 3 brick dwellings, 3271-75-77 Alfred St.; 1 story, 24x36 ft., comp. shingle roofs, hot air heat; \$10,000; Reliable Construction Co., Contr., both 3527 N. Newstead St.

Mo., St. Louis—St. Stephens R. C. Church let contract to Geo. Moeller, 3520 Itaska St., for \$40,000 rectory, 3900 Wilmington Ave.; brick and stone, 2 stories and basement, 25x53 ft., tile bath, hardwood floors, slate roof, hot water heat; Louis Preus, Archt., 3711 California Ave.

Mo., St. Louis—A. DeMarg, 4046 N. Grand Blvd., erect \$10,000 residence, 8600 Prury Lane; brick, 1 story and basement, 31x41 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; Manske & Bartling, Archts., 4526 Olive St.; J. C. Gruelich, Contr., 3111 N. Grand Blvd.

Mo., St. Louis—P. A. Stecher, 3705 Neosho St., erect \$12,000 brick residence; 2 stories and basement, 40x44 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; work by sub-contract.

Mo., St. Louis—F. Panhorst, 541 Plover Place, erect 2 brick dwellings, 5639 41 Heller St.; 1-story and basement, 22x42 ft., hardwood floors, tile baths, comp. shingle roofs, hot air heat; \$10,000; work by sub-contract.

Mo., St. Louis—Benehar Realty Co., Rialto Bldg., erect \$10,000 brick residence, 4-25 Parker Ave.; 2 stories and basement, 24x30 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; owner builds.



Mo., St. Louis—Wm. H. Duenke, 9306 Eads Ave., erect 2 brick dwellings, 7300 block Liberty St.; 1 story and basement, 24x38 ft., hardwood floors, tile baths, comp. shingle roof, hot air heat; \$10,000; work by sub-contract.

Mo., St. Louis—M. B. Scanlon, 4525 Lindell Blvd., erect 6 brick dwellings, 4067-85 Dryden Ave.; 1 story and basement, 24x43 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; \$25,000; owner builds.

Mo., St. Louis—M. J. Nicholson, 4452 Farlin Ave., erect \$10,000 brick residence, 4617 Anderson St.; 1 story and basement, 27x46 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; Manske & Bartling, Archts., 4526 Olive St.; J. C. Greylich, Contr., 3111 N. Grand Blvd.

Mo., St. Louis—Theo. H. Ratz, 817A Pine St., has contract for brick residence, Glendale; 2 stories and basement, about 29x42 ft.; Hoener, Baum & Froese, Archts., 3605 Laclede Ave.

Mo., St. Louis—W. Helm, 4529 Tower Grove Place, erect \$12,000 brick residence, 3260 Michigan Ave.; 2 stories and basement, 24x47 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; work by sub-contract.

Mo., St. Louis—W. Schmidt, 7331 Michigan Ave., erect \$10,000 residence, 6130 Arenas St.; brick, 1 story and basement, 28x44 ft., hardwood floors, tile bath, comp. roof, hot air heat; Schulte & Tarling, Archts., Grand-St. Louis Bldg.; Koch & Hauptfleisch, Contrs., 5535 Grace Ave.

Mo., St. Louis—Dr. Arthur R. Kleykamp, 3834 St. Louis Ave., erect \$10,000 brick residence, 7354 Chamberlain Ave.; 1 story and basement, 32x30 ft., tile bath, hardwood floors, asphalt shingle roof, hot water heat; Schulte & Tarling, Archts., Grand-St. Louis Bldg.; work by sub-contract.

Mo., St. Louis—Leon DeGuentz, 3140 Miami St., erect 2 brick dwellings, Hollywood Heights; 1 story and basement, 24x36 ft., hardwood floors, tile baths, hardwood floors, hot air heat; \$10,000; work by sub-contract.

Mo., University City, St. Louis—C. Johnson, care Marcel Boulicault, Archt., Ambassador Bldg., erect brick and stucco residence; 2 stories and basement, 49x59.6 ft.; J. A. Prahl, Archt., 5521 S. Grand Blvd.

N. C., Henderson—Episcopal Church let contract for \$14,000 rectory to Consolidated Construction Co., 418 Cleveland St., Durham; brick, 2 stories and basement; Eric G. Flanagan, Archt., Henderson.

Okla., Ada—M. O. Matthews let contract for \$20,000 residence on cost plus basis to Arney Harbert, Ada; work under way; brick veneer, 2 stories and basement, 30x67 ft., oak floors, Longlife Rustics roof; furnishings, equipment, etc., \$5,000; Harry Reynolds, Archt., 915 N. Hudson St., Oklahoma City.

Okla., Tulsa—C. W. Titus, Kennedy Bldg., let contract to G. D. Morrow & Son, Phil-tower Bldg., for \$250,000 residence; rein. conc., brick, terra cotta, 3 stories and basement, rein. conc. foundation, slate roof; Hoit, Price & Barnes, Archts., Telephone Bldg., Kansas City, Mo.; excavating; sub-contracts let and material purchased.

Tenn., Knoxville—M. G. Chambers, 1636 White Ave., and T. B. Leiby, Holston Bk. Bldg., each erect \$14,000 residence, Hillvale Park; Colonial type, Vermont slate roof, about 2000 sq. ft. floor space, conc. foundations, steam heat; H. C. Fonde & Sons, Contrs., 3253 Delwood Dr.; plumbing only sub-contract let.

Tenn., Lookout Mountain—L. M. Williams, Lookout Mt. Hotel, erecting \$150,000 residence.

Tenn., Memphis—South & Whitten, First Natl. Bk. Bldg., erect \$10,000 dwelling, Greenlaw St.; brick veneer, 1 story, 30x45 ft., oak floors, comp. roof, gas-fired hot water heat; owner builds.

Tenn., Memphis—W. E. White Realty Co., 10 S. Second St., started work on \$22,000 dwelling, Autumn Ave. near McLean St.; brick veneer, 2 stories, 43x57 ft., hardwood floors, tile roof and bath, 2-car garage and servants' quarters; R. L. Sieg, Archt., First Natl. Bk. Bldg.; owner builds.

Tenn., Memphis—W. P. Steele, Stahlman Bldg., let contract to W. R. Smith, Cotton States Bldg., for brick veneer residence; 2 stories; Warfield & Keeble, Contrs., Nashville Tr. Bldg.

Tex., Del Rio—O. J. James let contract for \$15,000 to Eagle Pass Lumber Co., Del Rio, for residence; tile and stucco, 2 stories, about 45x61 ft.; Jas. I. White, Archt., Travis Bldg., San Antonio.

Tex., Fort Worth—J. D. Pope, 1707 S. Clinton St., Dallas, erect 10 brick dwellings, Bluebonnet Hills; work started.

Tex., Fort Worth—A. P. Barrett, Fort Worth Natl. Bk. Bldg., remodel residence; \$20,000; Jos. R. Pelich, Archt., W. T. Waggoner, Bld.; day labor.

Tex., Fort Worth—Frank Goldwaite erect \$10,000 duplex, Monticello addition; brick veneer, 2 stories, 34x60 ft., asbestos shingle roof; Earl T. Glasgow, Archt., First Natl. Bk. Bldg.; Zeno Rogers, Contr.

Tex., Houston—C. W. Dwyer let contract for \$25,000 residence, Rosedale St. near Dowling St., to J. A. Roberts, Bankers Mortgage Bldg.; 2 stories, brick veneer, English type; Jos. Finger, Archt., Democratic Bldg.

Tex., Houston—Raymond Hart erecting 2-story residence, 2200 block Robin Hood St.; Los Angeles Construction Co., Contr., 1516 Milam St.

Tex., Houston—Public Realty Co., Public Natl. Bk. Bldg., plans about 60 dwellings, Westlawn Terrace, including 11 under constr.; will also open new sub-division, to be called Liveoaks, in Sept.; erect dwellings, majority 2 stories, brick.

Tex., Houston—J. E. Winston, Jr., State Natl. Bk. Bldg., let contract to W. Adcock, 1201 Enid St., for \$12,500 residence, 3306 Wichita Ave., Southwood; brick veneer, 6 rooms, English type.

Tex., McAllen—Millmor Development Co., Austin Ave. Natl. Bk. Bldg., erect 3 brick dwellings in addition to 2 brick and 1 stucco dwelling under constr.; about \$5,000 each; C. E. Anderson, Contr.

Tex., McAllen—J. Edelstein, N. 15th St., erecting \$15,000 residence; brick, 2 stories; M. R. Nelson, Contr.

Tex., Orange—Texas Co., 17 Battery Pl., New York, and 100 Alma St., Dallas, laying foundations for number employees' dwellings, new oil field at Bessie Heights, Orange County.

Tex., San Marcos—R. P. Merrill started work on frame residence, Pleasant St.; Tom Leffingwell, Contr.

Tex., Sherman—Joe Koriolth let contract to John W. Sherman for \$15,000 buff brick veneer residence, 1200 block S. Walnut St.; Italian type, cast stone trim, 9 rooms, 3 baths, oak floors, green asbestos slate roof; John Tulloch, Archt.

Tex., Weimar—Mrs. P. J. Shaver started work on residence to replace burned structure.

Va., Martinsville—Stanley Furniture Co. plans about 30 employees' dwellings; work started on several.

Va., Norfolk—Furr & Lindsay, 126 W. Plume St., erecting 3 dwellings, Glencove; sell at \$9850 each.

W. Va., Martinsburg—C. L. Shockley, Berkeley Springs, started work on residence, W. John St. near Porter Ave.

### Government and State

Md., Rockville—Brosius Bros., & Gormley, let contract to Alfred C. Warthen & Sons, Kensington, for \$40,000 bldg., section to be leased to Government for post office; brick and tile, 2 stories; stores on remainder of first floor, offices above.

Tex., Dallas—Treasury Dept. \$1,250,000 post office; excavation started; N. P. Severin Co., Contr., 222 W. Adams St., Chicago, Ill., advises all sub-contracts and material awards expected to be determined soon.

### Hospitals, Sanitariums, Etc.

Fla., Largo—Pinellas County Comsn., Clearwater, let contract at \$11,000 to McBeth & Co., St. Petersburg, for isolation bldg. for tuberculars, poor farm; frame and stucco, 1 story; Henry H. DuPont, Archt., Lewis Bldg., St. Petersburg.

Mo., Poplar Bluff—Poplar Bluff Hospital, Inc., Second and Oak Sts., let contract at \$30,000 to Grees & Schach, Poplar Bluff, for hospital; brick, 2 stories, 87x40.6 ft.; Reither & Lindsay, Archts., Cape Girardeau, (Archt. and Contr. lately incorrectly reported) See Want Section—Building Material and Equipment.

La., Shreveport—Pickle & Williams Clinic, Cotton St., let contract at \$27,618 to R. G. Shisler for 2-story brick addition; E. A. George, Archt.

N. C., Raleigh—State Hospital, Dix Hill, Albert Anderson, Supt., let contract to T. H. Lawrence, Trust Bldg., Durham, for isolation bldg. for women and additions to bldgs. for epileptic men and women; fireproof, conc., cork, wood and tile floors, slate and

built-up roof; \$150,000; Chas. C. Hook, Archt.; Walter W. Hook, Asso. Archt., both Commercial Bk. Bldg., Charlotte, N. C.; Wiley & Wilson, Heating Engrs., Peoples Natl. Bk. Bldg., Lynchburg, Va.

W. Va., Welch—Stevens Clinic Hospital, Dr. W. B. Stevens, Eckman, let contract to J. C. Heldreth, Tazewell, for \$150,000 hospital; heating and plumbing, Fred J. Eichert; elect. work, Jones Cornett Electrical Co., both Welch; sinking water and gas wells, M. A. Wagner, Montcalm; Hassell T. Hicks, Archt., Welch.

### Hotels and Apartments

Fla., Miami Beach—Carl G. Fisher Properties, 846 Lincoln Road, let contract to Gunn & Goll, Inc., Security Bldg., Miami, for 48 cabanas and swimming pool on grounds Nautilus Hotel; \$37,000; August Geiger, Archt., 58 S. E. 7th St., Miami.

Md., Towson—Towson Hotel Corp., promoted by W. Vernon Hipsley, Inc., 3205 N. Charles St., Baltimore, filed incorporation papers; \$200,000 capital; having preliminary plans prepared by C. N. & Nelson Fritz, Lexington Bldg., Baltimore, for 4-story, 100-room hotel; Wm. H. Sands, Inc., Towson, probable Contr.

Mo., Harrisonville—E. F. Kennedy erect \$30,000, 2-story, rein. conc. apartment and laundry; H. F. Miller, Archt., 4430 Park Ave., Kansas City; C. McGee, Contr., Harrisonville.

Mo., Springfield—National Building & Construction Co., L. Kraitz, Waldheim Bldg., Kansas City, erect two 3-story, brick apartments; 31 and 27 suites; \$200,000; V. DeFoe, Archt., Huntzinger Bldg., Kansas City.

Mo., St. Joseph—St. Joseph Hotel Co., C. H. Mayer, American Natl. Bk. Bldg., reported, let contract to Manhattan Construction Co., Court Arcade Bldg., Tulsa, Okla., for \$750,000, 14-story, brick, 220-room St. Joseph Hotel, 8th and Edmond Sts.; 9 stores on ground floor; W. Boschen, Archt., Tootle and Lacy Bk. Bldg.

Mo., St. Louis—E. Bueche, 3952 Shaw St., has permit for \$38,000, 2-story, 160 x 50 ft., brick tenement, 3916 Blaine St.; comp. roof; H. Newman, Archt., Bldr., 3966 DeTonty St.

Mo., St. Louis—H. J. Schulte, 1517 N. 23rd St., erect \$25,000, 2-story, 24 x 117 ft., brick tenement, 2416-20 Whittier St.; comp. roof; W. H. Schulte, Bldr., 2806 N. Grand Ave.; comp. roof; E. J. Hess, Archt., Title Guaranty Bldg.

N. C., Durham—W. A. Erwin, Jr., Pres., Erwin Cotton Mills Co., West Durham Station, let contract to T. H. Lawrence, Trust Bldg., for \$100,000, 4-story, 82x105 ft., brick, limestone trim, fireproof, 28-apartment, W. Trinity Ave. and Buchanan Blvd.; fireproof garages; R. R. Markley & Co., Archts., 5-23

Okla., Lawton—Wilson & Whitener, Gen. Contrs., started work on \$75,000, fireproof hotel and business building; Walter T. Vahlberg, Archt., Braniff Bldg., Oklahoma City.

Tex., El Paso—J. M. Amstater, 1114 N. Ochoa St., let contract to J. McKee for \$20,000, 2-story and basement, 68x48 ft., brick and conc., 4-apartment, 417 Blacker St.; tile roof, wood floors; G. L. Frazer, Archt., Martin Bldg. See Want Section—Building Material and Equipment.

Tex., Lampasas—Lampasas Hotel Co., (Paul G. Silber, Archt., and Argentum Development Corp., both Bedell Building San Antonio) let contract to Blythe & Duerson, Harlingen, for 3-story, 128 x 92 ft., brick and conc., 50-room hotel; Matthews & Kenan, Engrs., Smith-Young Tower, San Antonio.

### Miscellaneous

D. C., Washington—Sacred Heart Convent, care Murphy & Olmstead, Archts., 1413 H St., N. W., let contract to R. P. Whitty Co., 1010 Vermont Ave., N. W., for \$50,000 2-story, brick convent, Monroe and 17th Sts., N. W.; plans to let contract about Sept. 15 for \$200,000 brick school.

Fla., Olympia—W. S. Barstow let contract to Watt & Sinclair, Inc., Murray Bldg., West Palm Beach, for pavilion and swimming pool at Olympia Beach; \$75,000; Marsh & Saxelby, Archts., Consolidated Bldg., Jacksonville.

Ga., Macon—Central City Undertaking Co., J. R. Webb, 457 Cotton St., has permit for \$14,000 brick and tile building, 500 block Cotton Ave.; Alkin & Faulkner, Contrs.

La., New Orleans—Bd. of Administrations, Tulane Education Fund has permit to build boiler room at Audubon Blvd., between Willow and Freret Sts.; \$38,000; Gervais Favrot, Contr., Balter Bldg.

La., Shreveport—Columbia Club, 311 Milam

St., let contract at \$29,514 to Homer Hodges for remodeling 4-story building; Seymour Van Os, Archt., Merchants Bldg. 8-1

Va., Ocean View—Ocean View Golf and Country Club, Guy Webb, Pres., let contract at \$30,200 to Logan McCloud for 1-story stucco, English type clubhouse; B. F. Mitchell and Rudolph, Cooke & Van Leeuwen, Inc., Asso. Archts., Arcade Bldg., all Norfolk. 7-24

### Railway Stations, Sheds, Etc.

Ala., Birmingham—Virginia Bridge & Iron Co., Roanoke, Va., has contract for 365 tons struct. steel for umbrella shed over tracks at Terminal Station for Birmingham Terminal Co., Southern Ry. System and other railroads. 6-13

Ga., Atlanta—Nashville, Chattanooga & St. Louis Rwy., H. McDonald, Ch. Engr., Nashville, Tenn., let contract to Southern Ferro Concrete Co., 70 Ellis St., N. E., Atlanta, for \$500,000 passenger station; piling, Raymond Concrete Pile Co., Healey Bldg.; steel, Virginia Bridge & Iron Co., Roanoke, Va.; plans by McDonald & Co., Southeastern Trust Co. Bldg., Atlanta, call for 1 story structure, L shape, 164 x 150 x 75 ft., brick and Indiana limestone exterior walls, vitrolite interior trim, struc. steel and rein. conc., tile roof by American Cement Tile Co., Candler Bldg.; 1 passenger and 1 freight elevator; Robert S. Fiske, Const. Engr., Healey Bldg., Atlanta. 7-25

### Schools

Ala., Auburn — Alabama Polytechnic Institute, Dr. Bradford Knapp, Pres., let contract at \$42,000 to Smallman Construction Co., 1109 Fifth Ave., S., Birmingham, for rein. conc., brick and tile dairy barn; conc. floors, comp. shingle roof, limestone trim; Warren, Knight & Davis, Archts., Protective Life Bldg., Birmingham. 8-1

Ala., Myrtlewood—A. C. Spinks, Thomasville, has contract at \$23,350 for 1-story, 6-classroom and auditorium school for State. 8-8

Ark., Little Rock—Pulaski County Bd. of Education, D. T. Henderson, Supt., let contract to W. W. Bolick, Mabelvale, for 8-classroom and auditorium school at Sylvan Hills; 6-room school at Scott; 5-classroom and auditorium addition to Joe T. Robinson school; senior high school at Jacksonville; improvements to school at Bayou Meto; all buildings brick but Robinson building which will be stone; Wittenberg & Deloney, Home Ins. Bldg., and Clyde Ferrell, 813 W. Third St., Archts. 6-13

D. C., Washington—Catholic University of America let contract to Schneider Spielidt Co., 1416 E St., N. W., for \$100,000, 2-story, brick school of Liturgical Music on Harwood Road, N. E.; Murphy & Holmstead, Archts., 1413 H St., N. W. 6-13

Ga., Atlanta — Georgia School of Technology, has permit to erect 4000 conc. seats at Rose Bowl Stadium; \$45,000; Robert & Co., Engrs., Bona Allen Bldg.; owner builds. 6-27

Ga., Cohutta—Bd. of School Trustees, P. O. Parker, Sec., let contract to Barrett Construction Co., Dalton, for \$20,000, 1-story and basement, 110x125 ft., brick and frame, 8-classroom and auditorium school; comp. roof, hardwood and cement floors; Daniell & Beutell, Archts., Healey Bldg., Atlanta. 6-27

Ga., Dakota — Turner Bd. of Education, Ashburn, let contract to Gordon O. Cox, Tifton, for school in Dakota School Dist.; to McGowan Bros., Fitzgerald, for school in Hobby School Dist.; both buildings brick, comp. roof. 7-18

Ga., Griffin—Bd. of Education, L. M. Lester, Sec., let contract to Robert Wheaton Sons, Griffin, for 4-room brick and frame addition and improvements to Northside school; \$25,000; Wm. J. J. Chase, Archt., 140 Peachtree St., N. E., Atlanta. 7-18

Ga., LaFayette—Chattanooga Valley Consolidated School Dist., J. H. Hayes, Chmn., let contract to Mr. Redmond, care A. J. Harris, Rossville, for \$18,000, brick addition to school; comp. roof, hardwood and cement floors; Lockwood & Poundstone, Archts.; Edw. F. Billie, Asso. Archt., both 101 Marietta Bldg., Atlanta. 7-25

Ga., Rockmart — Bd. of Education, C. G. Mundy, Sec., let contract at \$36,000 to Newman Lumber Co., LaGrange, for 1-story and basement, 229 x 54 ft., brick and frame, 9-classroom and auditorium school; comp. shingle roof; Robert & Co., Engrs., Bona Allen Bldg., Atlanta. 7-25

Ky., Carlisle—Nichols County Bd. of Education let contract at \$14,182 to John M. Smitson for brick, 6-classroom and auditorium consolidated school at Headquarters. 7-18

Ky., Russell—Russell Dist. Bd. of Education let contract at \$16,234 to J. M. Pennington, for 4-classroom addition to West Russell school. 8-1

Md., Annapolis—Navy Dept., Bureau of Yards and Docks, R. J. Potbury, Ch., Washington, D. C., let contract at \$46,200 to David M. Andrew Co., Sisson and 26th Sts., Baltimore, for reroofing chapel at Naval Academy. 8-1

Md., Baltimore—Public Improvement Comn., H. J. Leimbach, Supv. Engr., let contract at \$142,900 to Price Construction Co., Md. Trust Bldg., for Violetville School; Wm. F. Stone, Archt., Munsey Bldg. 8-1

Miss., Morgan City—Morgan City Consolidated School Dist. let contract at \$8545 to S. L. McGinnis, Greenwood, for 2-story, 30x50 ft., 4-classroom, vocational agriculture and home economics building; R. J. Moor, Archt., Greenwood. 8-1

Miss., Waveland—Town Council let contract at \$10,020 to Garcia & Carr, Clermont Harbor, for 1-story, rein. conc. and brick, 4-classroom school; E. E. Norwood, Archt., Gulfport. 7-11

Mo., Glendale—Bd. of Education, F. P. Tillman, Supt., John Pitman Bldg., Kirkwood, let contract at \$32,000 to Parnell Quick, Webster Groves, for 2-story, brick addition to Henry Hough School; maple and linoleum floors, stone foundation, slate roof; Nolte & Nauman, Archts., Fullerton Bldg., St. Louis. See Want Section—Building Material and Equipment. 8-1

N. C., Churchland—Davidson County Bd. of Education, G. S. Hasty, Supt., Lexington, let contract at \$22,400 to Gray Concrete Co., Thomasville, for 1-story, 123x93 ft., semi-fireproof elementary school; Percy Bloxam, Archt., Salisbury. See Want Section—Building Material and Equipment. 8-1

N. C., Winston-Salem—Bd. of Education let contract at \$222,500 to Angle-Blackford Co., American Bk. Bldg., Greensboro, for 2-story and basement, brick, conc., fireproof North Jr. High School; limestone trim, conc., terrazzo and tile floors; Northup & O'Brien, Archts., Starbuck Bldg. 5-23

Okla., Purcell—Bd. of Education, J. H. Wells, Clk., let contract at \$33,000 to Robertson & Archer for 2-story, stone and conc. school; Hawk & Parr, Archts., First Natl. Bk. Bldg., Oklahoma City. 7-25

Okla., Sand Springs—Bd. of Education let contract to J. C. Bush, Weletka, for 2-story, 74x32 ft., brick and stone Twin City school; Rush, Endacott & Goff, Archts., Wright Bldg., Tulsa. 6-13

Okla., Tulsa—Bd. of Education let contract at \$53,200 to Tankersley Construction Co., Exchange Natl. Bldg., for addition to Wilson School; at \$58,965 to W. R. Grimshaw Co., Kennedy Bldg., for addition to Cleveland School; Leland I. Shumway, Archt., Alexander Bldg. 6-13

Okla., Tulsa—Bd. of Education let contract at \$13,350 to W. R. Grimshaw Co., Kennedy Bldg., for cafeteria at Sidney Lanier School; at \$13,459 to R. K. Hughes Co., commercial Bldg., for cafeteria at Henry Barnard school; rejected bids on cafeteria at John Burroughs school and call for new bids; Leland I. Shumway, Archt., Alexander Bldg. 6-13

Tenn., Lookout Mountain — Hamilton County Bd. of Education, Chattanooga, let contract at \$54,000 to D. F. Brandon for 1-story and basement, stone grammar school; Clarence T. Jones, Archt., both James Bldg., Chattanooga. 7-11

Tex., Austin—School Bd. let contract at \$53,691 to C. E. Spurlin, 202 E. Live Oak St. for Jr. High School in Taborian Park. 7-11

Tex., Austin — Bd. of Education, E. A. Murchison, Pres., let contract at \$46,823 to C. E. Spurlin, 202 E. Live Oak St. for junior high school, Leona St. and Washington Ave.; 2 stories, 134x184 ft., brick and conc., cement and wood floors, comp. roof; Roy L. Thomas, Archt., Littlefield Bldg. 7-25

Tex., Corpus Christi—School Bd. let contract at \$9800 to Dougherty-Nichols-Young Construction Co., Nixon Bldg., for 2-room addition to Solomon M. Coles school. 7-11

Tex., Gladewater—Gladewater County Line Ind. School Dist., R. M. Wood, Sec., let contract at \$8244 to D. A. Phillips, Longview, for two 25x50 ft., brick additions to school; wood floors, tar and gravel roof; C. H. Leimbach, Archt., Central Bk. Bldg., Dallas. 7-11

Tex., Sharyland—Sharyland Ind. School Dist., T. H. Melden, let contract at \$13,277 to M. R. Nelson, McAllen, for addition to high school; hollow tile and brick, slate roof; Harvey P. Smith, Archt., Natl. Bk. of Commerce Bldg., San Antonio. 7-11

Tex., Goree—School Bd. erect \$40,000 addition to school; B. O. Howle, Contr., 1821 Seventh St., Wichita Falls. 7-11

Tex., St. Paul—St. Paul Ind. School Dist. let contract to George H. Belote, Box 1088, to erect 2-classroom addition and remodel school; Hamon & Co., Archts., Medical and Professional Bldg., both Corpus Christi. 7-11

### Stores

Ga., Athens—J. C. Penney Co., Inc., 330 W. 34th St., New York, let contract to J. K. Davis for additions and improvements to store; \$15,000. 6-27

Fla., Miami—Following additional sub-contracts awarded on \$500,000 store, Biscayne Blvd. and 13th St., under construction by Biscayne Co., 1317 Biscayne Blvd., and leased to Sears Roebuck Co., Chicago, L. H. Beall, Regional Mgr., Atlanta, Ga.; Harrison Construction Co., N. E. 45th St. Miami, Gen. Contr.; Plumbing, L. T. Gill Co., Michigan Ave.; plastering, stucco and cast stone including erection, U. S. Plastering Co., 1736 S. W. Sixth St.; glass, glazing and coor store fronts, French Mirror Plate Glass Co., 219 S. W. First Court; painting, H. I. Passett, Inc.; terrazzo floors, to be laid by F. P. Briggie Co., Inc., 518 S. W. 15th Ave.; Campbell Metal Window Corp. windows purchased through Brinson Building Material Co., Security Bldg.; caulking, Chamberlain Metal Weatherstrip Co., 37 N. E. First Ave.; finish hardware, Shaw's, Inc., 634 N. Miami Ave.; laying and finishing wood floors, Walton Flooring Co., 368 N. E. 60th St.; all Miami; Nimmons, Carr & Wright, Archts., 333 N. Michigan Ave., Chicago. 6-27

Fla., Miami — Following sub-contracts awarded on \$90,000, 3-story store, Biscayne Blvd. and 14th St., being erected by Biscayne Boulevard Co., 1317 Biscayne Blvd., and leased to Hirsch-Fauth Furniture Co., 245 E. Flagler St.; Harrison Construction Co., Gen. Contr., N. E. 45th St., Miami; Rein steel, Kalman Steel Co., Candler Bldg., Atlanta; struc. steel, Tampa Shipbuilding & Engineering Co., Estuary, Tampa, through Phoenix Steel Corp., Miami; plumbing, L. T. Gill Co., Michigan Ave.; electric work, Ambros-Ingalls Electric Co., 111 Fifth St.; plaster, stucco, cast stone and erection, L. E. Baker, Inc., 2236 N. W. Miami Court; glass, glazing and store fronts, French Mirror Plate Glass Co., 219 S. W. First Court; painting, Adolph Vetter; roofing and sheet metal, Baker Roofing Co.; tile work, E. F. Short; steel stairs and fire escape, Kalamene doors, elevator enclosures, Metal Products Co., 60 N. E. 27th St.; orna. and misc. iron, G. M. Dykes Iron Works, 69 N. W. Third Court; Cahill rolling doors, Brinson Building Material Co., Security Bldg.; finish hardware, Ralley Millam Hardware Co., 25 W. Flagler St.; laying and finishing wood floors, Walton Flooring Co., 368 N. E. 60th St.; lumber, Cheely Lumber Corp., 1400 N. W. 17th Ave.; Robert L. Weed and V. E. Virrick, Asso. Archts., 2620 Biscayne Blvd. 6-13

Fla., Miami — Following sub-contracts awarded on \$150,000, 2-story store, Biscayne Blvd. and 14th St., being erected by Biscayne Boulevard Co., 1317 Biscayne Blvd., to be leased to Burdines, Inc.; Harrison Construction Co., Gen. Contr., N. E. 45th St.; Rein. steel, Kalman Steel Co., Candler Bldg., Atlanta, Ga., and Baker & Holmes Co., 105 N. W. First St., Miami; struc. steel, J. K. Brandt, City Natl. Bk. Bldg.; plumbing, L. T. Gill Co., Michigan Ave.; electrical, Harrington Electric Co., 150 N. E. Third St.; millwork, A. H. Ramsey & Sons, 711 N. W. 11th Terrace; plastering, stucco, quarry key stone and erection, C. Ed. deBrauwere Co., 684 N. W. Seventh St.; glass, glazing, bronze doors and store fronts, French Mirror Plate Glass Co., 219 S. W. First Court; painting, H. I. Passett; Fenestra steel sash, Metal Products Co., 60 N. E. 27th St.; caulking and thresholds, Chamberlain Metal Weatherstrip Co., 37 N. E. First Ave., all Miami; piling, G. O. Reed Co., Miami Beach; Robert L. Weed and V. E. Virrick, Asso. Archts., 2620 Biscayne Blvd. 7-25

Miss., Aberdeen — Commercial Bank & Trust Co. let contract to W. L. Perry, Philadelphia, Miss., for \$20,000 building to be leased to J. C. Penney Corp., 330 W. 34th St., New York. 7-11

Mo., St. Louis—W. N. Brown, 5100 Farlin St., erect \$20,000, 2-story, 50x78 ft., brick store, 4250-52 Forest Park; tar and gravel roof; Jackson Pick, Archt., Buder Bldg.; owner builds. 7-11

Mo., St. Louis—Guarford Realty & Investment Co., Fullerton Bldg., erect \$12,000, 2-story, 91 x 41 ft., brick store, 3139-41 Olive St.; comp. roof; W. C. Harting Construction Co., Bldr., 722 Chestnut St.; Nolte & Nauman, Archts., 3900 W. Pine St. 7-11

Mo., St. Louis—H. Kessler, 1531 Washington St., erect \$30,000, 2-story, 25x129 ft., 7-11



brick store and tenement, 2848-50 California St.; tar and gravel roof; B. Maslaunekov, Bldr., 1520 Market St.

Mo., University City, St. Louis — S. S. Kresge Co., Detroit, has permit for \$80,000, 2-story, 100x100 ft., brick store, 6649-59 Delmar Blvd.; Barrett roof, steam heat; Kremer & Voirl Construction Co., Contr., Chemical Bldg. 5-23

N. C., Greensboro—Hannah B. Whittington has permit for \$10,000, 2-story, brick store and apartment, E. Market and Dudley Sts.; Frank Kelly, Contr.

N. C., Shelby—Cleveland Furniture Co., W. J. Jones, broke ground for 2-story, 50x90 ft., brick building; J. W. Silver, supervise work.

S. C., Charleston — Efrid's Department Store, 24 N. Tryon St., started work on 3-story store, King and Wentworth Sts.; Southeastern Construction Co., Contr., 210 W. Second St.; Louis H. Asbury, Archt., 1514 E. Fourth St., all Charlotte, N. C.

Tex., Estelline—R. D. Gillenwater started foundation work on 25x60 ft. brick and tile building on W. Harper St. to be occupied by G. W. Cowan.

### Theaters

Fla., Miami—Biscayne Boulevard Co., 1317

Biscayne Blvd., let contract to Harrison Construction Co., 500 N. E. 45th St., for \$100,000, steel, rein. conc. and conc. block Civic Theatre, Biscayne Blvd. and 16th St.; Weed & Virrick, Archts., 2620 Biscayne Blvd. 7-9

Okla., Oklahoma City—Following sub-contracts awarded on \$800,000 theater and office building for Midwest Enterprise Co., 320 W. Grand Ave., for which Reinhart & Donovan Co., Commerce Exchange Bldg., have general contract: Millwork, Oklahoma Sash & Door Co., 8 E. Grand St.; brick, Acme Brick Co., Braniff Bldg., and Lusco Brick & Stone Co., American Natl. Bldg.; stone, Algonite Stone Mfg. Co., E. Park Place; steel, J. B. Klein Iron & Foundry Co., 1004 W. Second St.; plans by John Ebersson, 212 E. Superior St., Chicago, call for 10 stories, brick stone, terra cotta, steel and conc.; 2 floors for theater; office above.

### Warehouses

D. C. Washington—Peoples Drug Stores, 77 P St., N. E., has permit for \$125,000, 4-story, rein. conc. warehouse, 61-75 P St., N. E.; Rust Engineering Co., Bldr., Koppers Bldg., Pittsburgh, Pa.

Md., Baltimore — Monumental Storage & Carpet Cleaning Co., 1110 Park Ave., let contract to Herbert J. West, Knickerbocker Bldg., for \$50,000, 1½-story, brick veneer,

fireproof carpet cleaning and storage warehouse, 1915 Windsor Ave.; Kubitz & Koenig, Archts., Emerson Tower. 8-8

Tex., Houston—J. L. Jones, Cotton Exch. Bldg., let contract to E. G. Maclay Co., Post-Dispatch Bldg., for \$61,000, 2-story, 100 x 135 ft., rein. conc. and brick warehouse, 1905-07 Magnolia St.; J. W. Northrop, Jr., Archt., Kirby Bldg.; Electric Appliance Co., Lessee, 602-4 Preston Ave.

Tex., Houston—E. G. Maclay Co., Contr., Post-Dispatch Bldg., has permit to erect \$27,000, 1-story, 125 x 50 ft., rein. conc. and brick warehouse, 1518 Center St., for L. S. Bosworth.

Tex., San Antonio—John Deer Plow Co., Clark E. English, Mgr., 311 S. Flores St., let contract at \$95,000 to Walsh & Burney, Inc., 928 N. Flores St., for 3-story and basement, 119x116 ft., fireproof warehouse; O. E. Eckerman, Archt., Moline, Ill. 7-11

Va., Lambert's Point, Norfolk—M. T. Blasingham & Co., 27th & Hampton Blvd., Norfolk, have contract for lumber and Berger Manufacturing Co., Walnut Ave., S. E., Roanoke, galvanized iron for warehouses being erected at Engineers Depot at cost of \$250,000 by Norfolk & Western Ry. Co.; John P. Pettyjohn & Co., Gen. Contrs., 212 Eighth St., Lynchburg. 8-8

## WANT SECTION

### THE CLASSIFICATIONS IN THIS SECTION ARE:

#### Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

#### Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

#### Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

*Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.*

### Machinery and Supplies

**Air Compressor (Portable).** — S. Bender Iron & Supply Co. (Pipe), 1200-1208 Marshall St., Shreveport, La.—Wants prices and data on 110-cu. ft. air compressor on wheels.

**Boom and Bucket.**—Hughes & Keegan, Inc. (Gen. Contrs.), Real Estate Exch. Bldg., Richmond, Va.—Wants prices and data immediately on boom and ¾-yd. bucket for model 400 P & H shovel.

**Clay Grinding Mill, etc.**—J. R. Christian Co., Post-Dispatch Bldg., Houston, Tex.—Wants prices and data on complete mill for grinding clay to fineness of 45% through 200 mesh, together with dryer, capable of handling 4 to 6 tons per hour; Raymond, with air separator, without power preferred; will consider any adequate equipment.

**Cotton Picking and Stripping Machinery, etc.**—W. E. Toler (Mchy. Dealer), Pawnee, Okla.—Wants prices and data on cotton picking and stripping machinery and sleds used in gathering cotton and cotton bolls from stalks standing in field.

**Dredge Pumps (Suction).**—P. R. Turner, Claremont, Va.—Wants prices and data from manufacturers of suction dredge pumps, for dredging mud.

**Dragline.**—King & Anderson, Inc., E. L. Anderson, Pres., Third and Issaquena Sts., Clarksdale, Miss.—Wants prices and data on dragline outfit for cutting plantation ditches; small to medium.

**Engine (Diesel), etc.**—B. W. Gahagan, Walnut, N. C.—Wants prices and data on 240-h. p., Fairbanks Morse, full Diesel engine with 2300-volt generator complete.

**Furniture and Toy (Hardwood) Manufacturing Machinery.**—James A. Dezell, Quincy, Fla.—Wants prices and data on machinery for manufacturing furniture and toys of native hardwood.

**Lumber Treating Machinery.**—H. S. Gibbs, Abercorn and 34th St., Savannah, Ga.—Wants prices and data from manufacturers of machinery for pressure treating lumber with creosote.

**Motor (Electric).**—Panama Smokeless Coal Co., Merchants Natl. Bk. Bldg., Fort Smith, Ark.—Wants prices and data on 60 to 75-h. p. electric motor, 3 phase, 60 cycle, 220 volt, a. c.

**Parcel Vending Machines and Money Changers (Automatic).**—W. E. Toler (Mchy. Dealer), Pawnee, Okla.—Wants catalogs and

specifications on large parcel vending machines and automatic money changers.

**Water Turbine Wheel.** — J. D. Smith, Smith, Marianna, Fla.—Wants prices and data on water turbine wheels; power to be generated with wheel turned from stream of water through 6-in. pipe with approx. 8-ft. fall from pipe to wheel; also electrical equipment for same.

**Vanish, Inc. (Hair Remover), 1009-11 Walnut St., Kansas City, Mo.**—Wants prices and data on following:

- (1) Bottles
- (2) Chemicals
- (3) Corks (Rubber)
- (4) Labels
- (5) Vats (Glass)

**Eagle Roller Mills, Inc., J. Andrew Crain, Pres., Lawrenceburg, Ky.**, wants prices on following, prefer used machines:

- (1) Corn Cleaner
- (2) Cockle Machine
- (3) Feed Mill Outfit
- (4) Flour Bolter—for 75 bbl. mill.

**Bradley Veneer Co., Inc., 22 W. North St., Greenville, S. C.**—Wants prices and data on following:

- (1) Blade Grinder
- (2) Elevator (Freight)
- (3) Hoist—2-ton, Yale.

**Kendall Properties, Inc., R. T. Whitem Pres., Kendall, Fla.**, developing subdivision and wants:

- (1) Roofing
- (2) Septic Tanks
- (3) Plumbing Outfits
- (4) Water Pumps (Electric).

**W. M. Smith & Co. (Mchy. Dealer), Birmingham, Ala.**—Wants to represent manufacturer of following:

- (1) Air Compressor—gas or electric
- (2) Concrete Mixer (Gasoline)
- (3) Hoist (Gasoline).

### Miscellaneous

**Incinerator.**—Southern Fireworks Distributing Co., W. B. Ferguson, Suffolk, Va.—Wants prices and data from manufacturers of incinerators.

**Ornamental Concrete Products Molds.** — Leroy A. Clark, Box 214, Miami, Fla.—Wants prices and data on molds for making imitation marble and granite articles; also wants formula for making such products.

**Swimming Pool.**—City Clerk, Williamsport, Md., plans constructing swimming pool—Wants prices and data on materials.

**Lawrence MacRae, Walnut Grove, N. C.**—Wants proposals for construction of coal trestle, 50 ft. long, 10 ft. from cross tie level to ground level, built of oak (can be obtained locally), specifications acceptable to Norfolk & Western Ry. and Atlantic & Yadkin Ry.

### Building Material and Equipment

**Acree Barton, Contr., Box 23, Littlefield, Tex.**, wants prices on following for school in West, Tex.:

- Black Boards
- Brick
- Celotex
- Cement
- Down Spouts—4x6 in.
- Lime
- Lumber
- Millwork—sash and doors
- Plaster
- Roofing—built-up
- Steel—rein. and struc.
- Tile.

**C. B. Hamilton, Contr., Box 102, Oklahoma City, Okla.**, wants prices on following for \$47,000 church:

- Brass and Bronze Work
- Cast Stone
- Flooring—tile, marble, hardwood
- Marble
- Metal Doors
- Roofing—slate, tile
- Slate
- Steel Sash
- Ventilators
- Wire Glass.

**Dalton Hooper, Contr., 2906 Rosewood St., Houston**, wants prices on following for \$35,000 hotel, Hempstead, Tex.:

- Roofing—built-up.

**Dr. H. M. Hendrickson, Poplar Bluff, Mo.**, wants prices on following for \$36,000 hospital:

- Dumb Waiter
- Elevator
- Flooring—hardwood, linoleum, tile
- Incinerator
- Roofing (hip)—slate
- Tile—hollow.

**Harry M. Griffin, Archt., 309 N. Grandview Ave., Daytona Beach, Fla.**, wants prices on following for \$20,000 dwelling:

- Cast Stone
- Flooring—hardwood, tile
- Roofing—tile
- Steel Sash and Trim.

John W. Baker, Archt., Winnsboro, La., wants prices on following for 16-classroom school at Wisner, La.:

**Roofing**—built-up.

The John W. Cowper Co., Inc., Engrs.-Contrs., State Planters Bk. Bldg., Richmond, Va., estimating on \$160,000 physics building for University of Richmond, for which bids are being received until Sept. 4, desires prices and sub-bids by Sept. 2; Chas. M. Robinson, Archt., Times-Dispatch Bldg.

F. P. Tillman, Supt. of Schools, Kirkwood, Mo., wants prices on following for \$40,000 addition to school at Glendale:

**Flooring**—hardwood, linoleum, terrazzo

**Limestone**

**Roofing**—slate

**Tile**—hollow

**Terra Cotta Trim**

**Ventilators**

W. A. Scott, Gen. Sec., Y. M. C. A., Dallas, Tex., wants prices on following for \$130,000 bldg.:

**Elevators**—freight

**Flooring**—linoleum

**Roofing (hip)**—asbestos shingle

Percy Bloxam, Archt., Salisbury, N. C., wants prices on following for \$30,000 school, Churchland, N. C.:

**Cast Stone**

**Flooring**—hardwood

**Plaster Board**

**Roofing (hip)**—asbestos shingle

**Tile**—hollow

J. W. Chambers Lumber Co., Contr., Athens, Ala., wants prices on following for \$59,000 courthouse addition, Springfield, Tenn.:

**Cast Stone**

Study & Farrar, Archts., Arcade Bldg., St. Louis, Mo., want prices on following for \$65,000 dwelling:

**Electric Refrigerators**

**Flooring**—hardwood, terrazzo, tile

**Incinerator**

**Limestone**

**Marble**

**Roofing**—marble

**Tile**—gypsum

J. M. Amstater, 1114 N. Ochoa St., El Paso, Tex., wants prices on following for \$20,000 apartment:

**Cast Stone**

**Roof Insulation**

**Steel**

W. W. MacGruder, of Hansen-MacGruder, Inc., 5020 Bryan St., Dallas, Tex., wants preliminary bids on following for building for Dallas Builders' and Manufacturers' Exhibits:

**Flooring**

**Interior and Exterior Finishes**

**Lathing**

**Lighting (indirect)**

**Plumbing**

**Roofing**—tile, built-up

**Sheet Metal Work**

**Steel**

**Steel Windows**

**Stone Fronts**

**Terra Cotta**

**Ventilators**

The John W. Cowper Co., Inc., Engrs.-Contrs., State Planters Bk. Bldg., Richmond, Va., estimating on warehouse for Sanitary Grocery Co., Washington, D. C., wants material prices and sub-bids by Aug. 17; The Ballinger Co., Archts., 12th and Chestnut Sts., Philadelphia.

### Bids Asked

**Boiler Tubes**.—U. S. Engr. Office, Huntington, W. Va.—Bids Aug. 19 for boiler tubes, genuine knobbled charcoal iron, lapwelded.

**Bridges**.—State of Louisiana. Bids for 6 bridges. See Construction News—Roads, Streets, Paving.

**Bridges**.—Houston, Tex. See Construction News—Bridges, Culverts, Viaducts.

**Bridge**.—State of Tennessee. See Construction News—Roads, Streets, Paving.

**Bridge**.—State of Maryland. See Construction News—Roads, Streets, Paving.

**Bridges**.—State of Oklahoma. Bids for 13 bridges. See Construction News—Roads, Streets, Paving.

**Bridges**.—Tarboro, N. C. Bids to erect and repair bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge**.—Lillie, La. See Construction News—Bridges, Culverts, Viaducts.

**Bridge and Substructures**.—Salisbury, Md. See Construction News—Bridges, Culverts, Viaducts.

**Cement (Portland)**.—Panama Canal, Office of Gen. Pur. Officer, Washington, D. C.—Bids Aug. 27 for portland cement, Sch. 1983.

**Coal**.—U. S. Engr. Office, Nashville, Tenn.—Bids Aug. 19 for 10 cars run-of-mine coal.

**Grease**.—Pur. Agt., Post Office Dept., Washington, D. C.—Bids Aug. 23 for 70 5-lb. cans and 7 450-lb. drums hard mineral cup grease.

**Dikes**.—Napoleon, Mo.—See Construction News Columns—Miscellaneous Construction.

**Ditches**.—Jonesboro, Ark.—See Construction News Columns—Drainage, Dredging and Irrigation.

**Dredging, etc.**—Petersburg, Va.—See Construction News Columns—Drainage, Dredging and Irrigation.

**Elevator Plant**.—Supervising Archt., Treasury Dept., Washington, D. C.—Bids Aug. 30 for complete elevator plant in Dept. of Agriculture Administration Bldg., Washington, D. C.

**Elevator Plant**.—Supervising Archt., Treasury Dept., Washington, D. C.—Bids Aug. 30 for complete elevator plant in Internal Revenue Bldg., Washington, D. C.

**Generator Set**.—Pur. Agt., Post Office Dept., Washington, D. C.—Bids Aug. 23 for motor generator set.

**Harness Supplies**.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Aug. 19 for harness supplies, delivery Quantico, Va.

**Heating System**.—Bd. of Awards, Office of City Register, City Hall, Baltimore, Md.—Bids Aug. 20 for heating system, School No. 65.

**Heating System**.—Quartermaster, St. Louis Mo.—Bids Aug. 22 for hot water heating system for lodge, Ft. Gibson, Okla.

**Heating System**.—Warren County Court, Courthouse, W. Warrenton, N. C.—Bids Aug. 21 for installing heating system in courthouse.

**Hose**.—U. S. Engr. Office, Vicksburg, Miss.—Bids Aug. 19 for 300 ft. 4-in. 12-ply water hose fitted with brass couplings.

**Lawn Mower (Motor-Driven)**.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Aug. 22 for motor-driven lawn mower, delivery Quantico, Va.

**Life Preservers**.—U. S. Engr. Office, Huntington, W. Va.—Bids Aug. 19 for life preservers, jacket-type, reversible, adult size.

**Levee**.—Louisiana—See Construction News Columns—Miscellaneous Construction.

**Levee**.—Arkansas—See Construction News Columns—Miscellaneous Construction.

**Levee**.—Mississippi—See Construction News Columns—Miscellaneous Construction.

**Magnetos, etc.**—Pur. and Contracting Officer, Holabird Q. M. Depot, Baltimore, Md.—Bids Aug. 20 for magnetos and parts.

**Miscellaneous**.—Navy Dept., Bureau of Supplies and Accounts, Washington, D. C.—Bids Aug. 20 for following: Coil winding machine, twist, carbon and high speed drills, service test bench.

**Miscellaneous**.—Panama Canal, Office of Gen. Pur. Officer, Washington, D. C.—Bids Sept. 2 for following, Sch. 1982:

**Steel, iron, iron or steel pipe, bolts, nuts, screws, rivets, stay-bolts, track spikes, copper tacks, mortise locks, latches, hinges, etc.**

**Miscellaneous**.—Panama Canal, Office Gen. Pur. Officer, Washington, D. C.—Bids Aug. 20 for following, Sch. 2495:

**Woodworking machine, power mower, 40 pieces steel tubing, 10 flexible caps, 6 transformers, 60 drainage fittings, 1000 brass bolts, 800 lag screws, 2000 lb. wire staples, 2000 lb. poultry wire, etc.**

**Paving**.—Joplin, Mo. See Construction News—Roads, Streets, Paving.

**Plumbing Supplies**.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Aug. 19 for plumbing supplies, delivery Quantico, Va.

**Road**.—Asheville, N. C. See Construction News—Roads, Streets, Paving.

**Packing Rings**.—U. S. Engr. Office, Huntington, W. Va.—Bids Aug. 23 for packing rings, chrome leather piston packing, single thickness.

**Paint, etc.**—Panama Canal, Office of Gen. Pur. Officer, Washington, D. C.—Bids Aug. 29 for following, Sch. 1981:

**Drop black paint, black enamel, varnish, chrome green, chrome yellow, white lead, burnt sienna, raw sienna, mercuric oxide, zinc oxide, liquid paint drier, etc.**

**Paper Cutters**.—Pur. Agt., Post Office Dept., Washington, D. C.—Bids Aug. 19 for 4000 steel paper cutters for issuing money orders.

**Perforating Machine**.—Pur. Agt., Post Of-

fice Dept., Washington, D. C.—Bids Aug. 19 for motor-driven perforating machine.

**Phosphate**.—Pur. Agt., Post Office Dept., Washington, D. C.—Bids Aug. 23 for 1500 lb. trisodium phosphate.

**Pipe (Cast Iron)**.—See Water Works and Sewers.

**Pipe (Concrete)**.—See Sewers.

**Pumping Plant**.—Treasury Dept., Office of Supv. Archt., Washington, D. C.—Bids Aug. 23 for furnishing labor and material for pumping plant in receiving and detention building, U. S. Immigrant Station, Baltimore, Md.

**Pumps**.—City, Columbia, S. C., W. S. Tomlinson, City Engr.—Bids Aug. 27 for two 3,500,000 gal. horizontal piston pumps.

**Repair Shop Equipment and Supplies, etc.**—Bd. of Awards, Office of City Register, City Hall, Baltimore, Md.—Bids Aug. 20 for supplies and equipment for repair shop and miscellaneous supplies for Dept. of Education.

**Roads**.—Mobile, Ala. Bids for 3 roads. See Construction News—Roads, Streets, Paving.

**Roads**.—State of Virginia. Bids for 2 roads. See Construction News—Roads, Streets, Paving.

**Roads**.—State of Tennessee. Bids for 4 roads. See Construction News—Roads, Streets, Paving.

**Roads**.—State of Oklahoma. Bids for 19 roads. See Construction News—Roads, Streets, Paving.

**Roads**.—State of Maryland. Bids for 5 roads. See Construction News—Roads, Streets, Paving.

**Roads**.—State of Louisiana. Bids for 5 roads. See Construction News—Roads, Streets, Paving.

**Road**.—Dallas, Tex. See Construction News—Roads, Streets, Paving.

**Road**.—Baton Rouge, La. See Construction News—Roads, Streets, Paving.

**Roads**.—State of West Virginia. Bids for 21 roads. See Construction News—Roads, Streets, Paving.

**Sewers**.—Dist. Commrs., Washington, D. C.—Bids Aug. 29 for 2955 ft. of 10-in. diam. sewer; information Room 427 District Bldg.

**Sewers**.—See Water Works and Sewers.

**Sewers**.—Fairfield, Ala., M. W. Pratt, Mayor—Bids Sept. 3 for sanitary sewers, Impr. Ordinance, Nos. 14 and 15; work includes 27,950 ft. of 8-in., 1660 ft. of 10-in., 2270 ft. of 12-in., 1950 ft. of 18-in., 1650 ft. of 21-in., 970 ft. of 24-in. cone or v. c. pipe sanitary sewers; manholes, etc.; Robt. L. Totten, Inc., Conslt. Enrs., Birmingham.

**Sewers**.—Oklahoma City, Okla., Mo., Peshak, Jr., City Clk.—Bids Sept. 3 for storm main sewer in districts of North Walker Laird, Kate, and Lee Aves., East Capitol Hill and N. Broadway.

**Steam Whistles, etc.**—U. S. Engr. Office, Huntington, W. Va.—Bids Aug. 26 for steam whistles, etc.

**Street**.—Hazelhurst, Miss. See Construction News—Roads, Streets, Paving.

**Street**.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

**Street**.—Louisburg, N. C. See Construction News—Roads, Streets, Paving.

**Streets**.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

**Street, etc.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Street**.—Laurel, Miss. See Construction News—Roads, Streets, Paving.

**Steel Tubing**.—U. S. Engr. Office, Huntington, W. Va.—Bids Aug. 20 for standard cold drawn seamless steel tubing.

**Trucks**.—Commrs., District of Columbia, Washington, D. C.—Bids Aug. 21 for 4 trucks for use by city refuse department.

**Washed and Screened Gravel**.—Louisiana Highway Comm., O. K. Allen, Chmn., Baton Rouge, La. Bids Aug. 27 for washed and screened gravel, 40% and 50% sand-clay gravel, reef shell, clam shell, crushed limestone, slag and sand.

**Water Works and Sewers**.—Town of Hazelhurst, Miss.—Bids Sept. 3 for furnishing material and constructing sanitary sewers and water works; work includes 8-in. sewer pipe; manholes, flush tanks, septic tank complete; 2900 ft. of c. l. pipe, reducers, etc.; Culley-O'Brien Engineering, Inc., 206 Lampton Bldg., Jackson.



## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Handling Road Building Equipment.

The W. A. Adams Company, Raleigh, N. C., successor to J. C. Benjamin, handles a general line of road-building equipment, representing the following companies: Cleveland Tractor & Equipment Co., Cleveland, Ohio; Gallion Iron Works & Manufacturing Co., Gallion, Ohio; the Western Wheel Scraper Co., Aurora, Ill.; Northwest Engineering Co., Chicago; D. A. Lubricant Co., Indianapolis, Ind.; Lakewood Engineering Co., Cleveland, Ohio; Wiard Plow Co., Batavia, N. Y., and the Chas. H. Vass Company, New York. The company advises that it is open for additional accounts in its territory and desires particularly a line of motor pick-up sweepers. Mr. Adams was associated with the late J. C. Benjamin for ten years handling road-building equipment, while R. G. Wilfong, another official, was state representative of the Austin-Western Road Machinery Co. for seven years, later serving the Gallion Iron Works & Manufacturing Co. as its branch manager at Raleigh.

### American Rolling Mill Changes.

W. J. Beck, for 19 years director of research of the American Rolling Mill Company, Middletown, Ohio, has been appointed assistant to Charles R. Hook, general manager, in charge of development of electrical steel sheets for magnetic purposes. Laboratories of the company are equipped for the study of magnetic problems involved in designing electrical machinery. This work has been carried out under Mr. Beck's direction and he will now devote his entire time to this development. Dr. Anson Hayes has been appointed director of research of the company and will be in charge of all metallurgical research problems. For the past year, Dr. Hayes has been chief of the Chemical Division of the Armco Research Division, having previously headed that division of the Chemical Department of Iowa State College.

### Craddock-Terry Celebrates 41st Anniversary.

Commemorating the 41st anniversary of the Craddock-Terry Company, Lynchburg, Va., one of the largest shoe-manufacturing firms in the country, the Richmond Times-Dispatch recently carried a 12-page rotogravure section devoted to a historical description of the company and its development, and presenting illustrations of its plants and manufacturing processes. This is said to be the largest advertisement of the kind ever published at one time by any firm. The business of the company still is under the active management of its three founders.

### Southern Brick for New York.

One of the largest orders ever placed with a Southern brick manufacturer was recently booked by the Sumter Brick Works, Sumter, S. C., for its Venetian blend of Airedale brick to be used in construction of the new \$3,250,000 West Side Y. M. C. A. building in New York. The same firm is also furnishing 300,000 brick for a school building in the New York district and it further advises that over half its shipments this year have been to New York.

### Cobb a Director of Georgia Power.

B. C. Cobb, New York, chairman of the board of the recently organized Commonwealth and Southern Corporation, has been elected a director of the Georgia Power Company, Atlanta. Mr. Cobb is a leader in the public utility industry, being chairman of the board of the Allied Power and Light Corporation, New York; president of the Tennessee Electric & Power Company, Chattanooga; director of the Nashville (Tenn.) Railway and Light Company; member of the public policy committee of the National Electric Light Association; president of the Commonwealth Power Company and the Penn-Ohio Edison Electric Company, recently consolidated with the Southeastern Power & Light Company and other utilities to form the Commonwealth and Southern Corporation.

### Wheeling Steel Statement.

For the quarter ending June 30, 1929, the Wheeling (W. Va.) Steel Corporation and subsidiary companies show a profit from operations of \$3,810,604, after deducting repair and maintenance charges amounting to \$1,433,520, and providing for federal tax. Net profit for the quarter available for dividends was \$2,342,294, which added to the surplus as of April 1 of \$14,165,009 made a total surplus of \$16,507,303. After deducting dividends, preferred "A" 2 per cent and preferred "B" 2½ per cent, amounting to \$663,320, a surplus of \$15,843,983 is shown as of June 30. The directors declared a one per cent dividend on common stock payable Sept. 1, of record Aug. 12. Isaac M. Scott is president and Alexander Glass chairman of the board.

### Harold Smith New Westinghouse Official.

The Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., has elected Harold Smith, general solicitor, to the vice-presidency of the company, his office to be in the Westinghouse Building, New York. Mr. Smith entered the legal department of the Westinghouse organization in 1919 and was appointed general solicitor in 1926. He is a member of the bar of New York and of Illinois.

### Fruehauf Trailer Official Changes.

The Fruehauf Trailer Company, Detroit, Mich., has elected August C. Fruehauf chairman of the board and Harvey C. Fruehauf president. Harry R. Fruehauf was elected vice president and director of purchases; Earl L. Vosler, vice president and treasurer; G. W. Chamberlin, vice president and director of sales, and Roy W. Jacobs, secretary and assistant treasurer.

### Joins Sugar Company.

Dr. B. A. Bourne, assistant pathologist of the Bureau of Sugar Plant Investigation and Sugar Cane Experimental Station at Canal Point, Fla., has resigned, to accept a similar position with the Southern Sugar Company, Clewiston, Fla. Dr. Bourne is recognized internationally as an authority on breeding cane plants.

### Represents Allen-Bradley Company in South.

The Ward Engineering Company, with offices in the Barnett National Bank Building, Jacksonville, Fla., has been appointed representative in the Jacksonville territory for the Allen-Bradley Company, Milwaukee, Wis., manufacturers of automatic starters and radio resistors. A complete stock of equipment will be carried at Jacksonville.

### To Mine Fuller's Earth.

Fuller's earth declared to be of high quality is being mined by the Choctaw Clay Corporation, New Orleans, with mines in Choctaw County, Alabama, the plant being located a few miles from Meridian, Miss., on a tract of 437 acres on the Tennessee, Alabama and Northern Railway. Thirty acres of the property, thus far prospected, are said to carry 1,000,000 tons or more of fuller's earth. Officers of the corporation include R. J. Wilkinson, president; W. H. Lindsey, Nashville, Tenn., vice-president; J. G. Miller, vice-president and manager, and L. M. Dalgarn, secretary-treasurer.

### Page Sales Department to Pittsburgh.

The Sales Department of the Page Steel & Wire Co., Bridgeport, Conn., manufacturers of Page fence, highway guard, welding wire and general wire products, has been moved from Bridgeport to the American Bank Building, Pittsburgh, Pa. Sales of chain link fence will be handled by R. J. Teeple; field fence and general wire products by S. B. Cairns and welding wire and specialties by J. J. Flaherty. W. T. Kyle, general manager of sales of the company, will be located at the general sales office in the New York Central Building, New York.

## Trade Literature

**To Keep Airports Clear in Winter.**—A 20-page booklet, telling the story of winter mail-and-passenger carrying on schedule where Caterpillar tractors are available at airports for snow removal, is being distributed by the Caterpillar Tractor Co., San Leandro, Cal. This is the third piece of literature devoted to airports which the company has issued; a copy may be obtained at its office at San Leandro or Peoria, Ill.

**Engineering Data Book.**—The Chain Belt Co., Milwaukee, Wis., and the Stearas Conveyor Co., Cleveland, Ohio, a branch of the former, are distributing the new Rex 330 Catalog and Engineering Data Book, an 800-page publication describing the company's line of conveying equipment. In addition, the book contains engineering information on chain drive, conveying systems, etc.

**Nikrome Steel.**—Joseph T. Ryerson & Son, Inc., Chicago, Ill., is distributing a new bulletin on Nikrome, a heat treated alloy steel, described as of specially high quality, for the more difficult and heavy duty industrial purposes, and said to be of particular value to firms that do not maintain a heat treating department.

**Brass and Bronze Hardware.**—The Newman Mfg. Co., Cincinnati, with factory branches at St. Louis, Chicago and New York, is distributing a new catalog on brass and bronze door hardware, thresholds and railings.

## COMBED YARN MILLS REDUCE WORKING HOURS

Voluntary Cut from 60 to 55 Hours Announced by Gaston County Mills  
With no Cut in Wages

Gastonia, N. C.—With the exception of three or four small mills in scattered sections of Gaston County, which have orders necessitating their running into extra hours for the next week or two, the combed yarn mills of the county have announced a voluntary reduction in hours of work per week from 60 to 55, with the same wages prevailing for the 55-hour week as prevailed for the 60-hour week. Operatives of the mills were given the choice of working five full days of eleven hours each or five and one-half days of ten hours each. In practically every mill, it is said, the workers by popular vote, decided to work five full days of eleven hours each and take Saturday as a holiday. This reduction in working hours is equivalent to an increase of approximately nine per cent in wages and, while only the combed yarn mills of the county are affected, it is stated that they represent about 90 per cent of the fine yarns made in the country.

## Announces Annual Safety Congress

The National Safety Council, 108 East Ohio street, Chicago, W. H. Cameron, managing director, announces the Eighteenth Annual Safety Congress to be held in Chicago September 30 to October 4, when it is expected 7000 delegates will be in attendance, including 354 selected speakers. There will be 125 sessions of the Congress and 41 separate program divisions, while an important educational feature will be one of the largest safety exhibits ever assembled. Discussions will cover subjects relating to the prevention of street and highway accidents, accidents in public places, in the home, on the sea, in the air and in industrial establishments.

## Low Bid on Veterans' Hospital

Atlanta, Ga.—The low bid on general contract for the hospital buildings here for the U. S. Veterans' Bureau, Washington, L. H. Tripp, Chief of Construction Division, was submitted by Algernon Blair, Montgomery, Ala., at \$410,000. Construction will cover infirmary building No. 3, 4 stories and basement, 232 by 36 feet with 3 wings 37 by 42 feet each; recreation building, 3 stories and basement, 98 by 43 feet, and officers' duplex quarters, 2 stories and basement, 32 by 25 feet. The buildings will be of reinforced concrete and brick, with tile roofs,

cast stone and limestone trim, rubber tile and linoleum floors, steel stairs with slate treads, steel sash, roof ventilators and metal weather strips. A vacuum cleaning system will be installed.

## Silica Gel Refrigerated Cars Made Great Record in First Year's Operation

The following statement was made recently by Manager Horace M. Wigney of Safety Refrigeration, Inc., New York, to Wilbur Miller, President, Silica Gel Corp., Baltimore, covering one year's operation of refrigerator cars using silica gel refrigerating equipment:

"Commencing with July 1, 1928, to and including June 30, 1929, 31 silica gel iceless refrigerators were placed in regular service.

"During the period mentioned, these cars successfully transported under this new method of refrigeration, approximately 12,000,000 pounds of perishables of various kinds including frozen Nordic fillets of haddock (packed in cartons), frozen eggs, fresh beef, fresh pork and other packing house products, fresh fruits and vegetables and some dairy products.

"The estimated value of the products handled exceeded \$3,500,000, all of which was delivered to consignees in highly satisfactory condition without the presentation of a single claim for improper refrigeration.

"By reason of the greater loading capacity in the iceless car, which was used in nearly every instance, the additional tonnage handled amounted to approximately 800,000 pounds. This means that it would have required 435 ice bunker type cars to transport the same amount of freight that was shipped in 405 silica gel iceless refrigerators. Interpreted in dollars, this increased revenue load figures about \$50 per trip, or additional revenue to the carriers of more than \$20,000, to which may be added the saving in cost of handling the extra equipment which would have been necessary if ice refrigerated cars were used.

"Shipments originated in iceless cars during the year at many different places throughout the country, including points in Connecticut, Massachusetts, New York, Florida, Illinois, Kansas, Nebraska, Texas and California. More than 40 railroads participated in the movement of these shipments which were distributed to more than 70 different cities, distances ranging from 200 miles to 3500 miles from points of production.

"Those who have been receivers of shipments in silica gel iceless cars bear testimony to the superiority of this method of transporting perishable products.

"Fifty new safety iceless refrigerator cars are now being built, and will be ready for service within a very short time. They will be of all steel construction and of the most modern type and design. They will not only be equipped for refrigeration, but for heated service as well. The temperature inside of the car will be thermostatically controlled, so that regardless of weather conditions there will be practically no variation of temperature enroute, heat or refrigeration being applied automatically, as required."

## IMPORTANT HYDRO-ELECTRIC DEVELOPMENT?

Organization of New Power Company Starts Rumors Concerning Aluminum Company of America

Following the recent organization of the Nantahala Power & Light Company, of Bryson City, N. C., a new incorporation with an authorized capitalization of \$10,000,000, with J. E. S. Thorpe, of Calderwood, Tenn., as president, there have been widespread reports of important hydro-electric developments in western North Carolina and Eastern Tennessee to be undertaken by the company and the Aluminum Company of America. Other officers elected include: R. L. Smith, vice-president, and W. C. Penn, secretary and treasurer. Directors include: S. A. Copp, R. L. Smith, W. C. Penn, J. E. S. Thorpe and D. Clark.

Following the election of officers of the new corporation it was announced that it would engage in generation and distribution of electricity, but that the plans of the company have not been definitely formulated.

In reply to a wire from the MANUFACTURERS RECORD referring to the organization of the new power company and the press reports describing the proposed developments by it and the Aluminum Company of America, W. C. White, advertising manager for the latter company advises:

"The recent reports which appeared in several Southern newspapers to the effect that the Aluminum Company of America will spend \$125,000,000 in power developments in Tennessee and North Carolina are similar to many such reports that have appeared in the past, and possibly will again in the future.

"The facts in the case are that we have two dams, one at Santeeelah, N. C., and one at Cheoah, N. C. We also have a third dam that is almost completed at Calderwood, Tenn. The installed horsepower at Santeeelah is 65,000, at Cheoah 95,000, and at Calderwood will be slightly over 100,000.

"You are no doubt familiar with the fact that in the refining of aluminum considerable quantities of electricity are used. These dams have been and are being built to furnish our mills in that territory with power. If our business continues to grow it is quite possible that we might in the future build another dam. I assure you, however, that no \$125,000,000 development is contemplated.

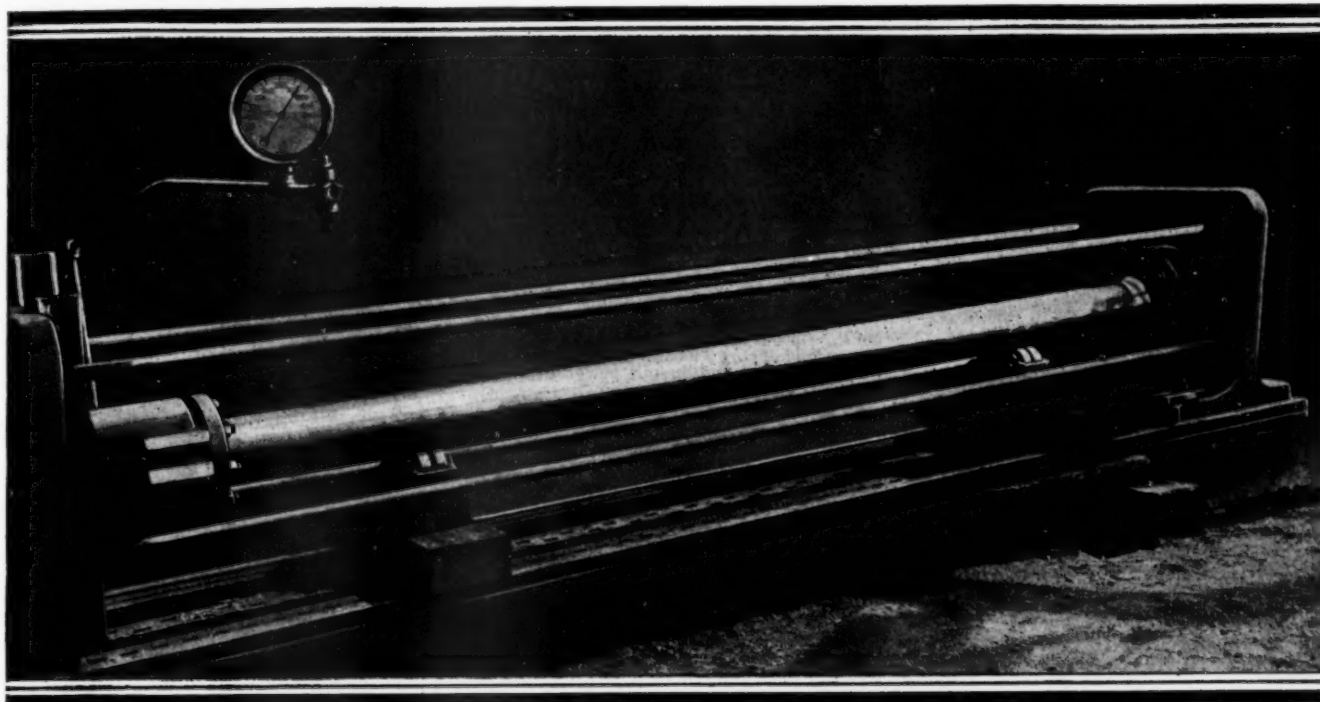
"We are not in the business of manufacturing power primarily for sale, but for our own consumption. Occasionally we do sell power in the surrounding territory, but that is entirely a side issue."

Falls County, Texas, votes August 23 on a bond issue of \$453,000 for roads.





## *Dramatic Evidence* of the superior strength of deLavaud pipe



*The above photograph was taken during a hydrostatic bursting test of deLavaud Pipe. Details below.*

3,350 lbs. per square inch was the pressure required to burst the 6-inch deLavaud Pipe shown above. This pipe was selected at random from stock, placed in a special test press and submitted to tremendous water pressure from a force pump. Gauge readings were accurately checked.

When the pressure was first applied, the gauge needle moved up quickly to the 2,000 lb. mark. Thereafter it advanced more slowly to a reading of 3,350 lbs. per square inch—a pressure reading fully 25% higher than could possibly be obtained with pit cast pipe designed for the same service.

The remarkable strength of deLavaud Pipe is due to the dense, close grained structure of the metal, and to the metal's freedom from slag and blow holes. deLavaud Pipe is made by pouring molten iron into a rapidly revolving cylindrical mould. Centrifugal force holds metal against sides of mould, driving out impurities with a pressure resulting from a force 40 times greater than gravity.

Also, the action of water-cooled deLavaud mould and the subsequent annealing further improve the physical properties and the microstructure of the metal. Let us send you the deLavaud handbook and all the facts about deLavaud Pipe.



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# FINANCIAL NEWS

## Bond Issues Proposed

Ala., Dothan — City, I. B. Scarborough, Clk., rejected bids for \$80,000 bonds: \$58,000, general obligation; \$22,000, water and sewer extension.

Ala., Mobile — School — City, Cecil F. Bates, Mayor, votes Sept. 9 on \$300,000 bonds; Leo F. Eldridge, Pres. School Board. Lately noted election Aug. 26.

Ark., Little Rock — School — Pulaski County Bd. of Education, D. T. Henderson, Supt., receives bids Aug. 23 for \$100,000 bonds.

Ark., Little Rock — State Debt Bd. authorized issuance of \$250,000 to \$300,000 state notes, to finance revolving loan fund for rural schools.

Fla., St. Augustine — City Comm. plans \$1,248,000 refunding bond issue.

Ga., Augusta — School — Richmond County, reported, votes Nov. 6 on \$1,000,000 bonds; Lawton B. Evans, Sec. County Bd. of Education.

Ga., Nicholls — Nicholls Consolidated School Dist., Coffee County, plans bond election within next 30 or 60 days.

La., Arabi — St. Bernard Parish Water Dist. No. 1 voted \$150,000 water bonds.

La., Arabi — Bd. of Waterworks Commrs., Water Dist. No. 1, Saint Bernard Parish, A. Sidney Nunez, Pres., receives bids Sept. 16 for \$150,000 \$1000 denom. not to exceed 6% bonds.

La., Franklinton — Washington Parish School Bd., D. H. Stringfield, Sec., receives bids Sept. 16 for \$125,000 \$1000 denom. not to exceed 6% bonds. 8-1

La., Monroe — Road — Ouachita Parish votes Sept. 10 on \$350,000 bonds. Lately noted election Aug. 20 on \$260,000 bonds. 7-25

La., Port Allen — Bd. of Commrs., Gravity Drainage Dist. No. 2, West Baton Rouge Parish, F. J. Whitehead, Sec., receives bids Aug. 27 for \$40,000 improvement bonds.

La., St. Joseph — Water — Town, Josiah P. Scott, Clk., receives bids Aug. 17 for \$30,000, 6% bonds; W. M. Davidson, Mayor. 5-16

Md., Brunswick — Street — Town, Albert Orison, Mayor, voted \$20,000 bonds. 7-25

Md., Brunswick — Street — City, C. A. Orrison, Mayor, receives bids Aug. 27 for \$10,000, 5% bonds. 7-25

Miss., Greenville — City, Fred Shelben, Mayor, voted \$145,000 bonds: \$125,000, sewerage and drainage; \$20,000, public library; plans selling \$379,000 bonds in Sept. 6-20

Miss., Hattiesburg — City, W. S. F. Tatum, Mayor, rejected bids for \$250,000, water and sewer bonds; plans selling \$100,000 of sewer bonds; Thomas H. Allen, Consit. Engr., Memphis. Lately noted bids Aug. 1.

Miss., Prentiss — Prentiss Consolidated School Dist., Jefferson Davis County, votes Aug. 30 on \$15,000 bonds.

Miss., Vicksburg — Road — Warren County votes Aug. 30 on \$100,000 bonds.

N. C., Lexington — School — Davidson County Commrs., Grant Raker, Clk., receive bids Sept. 3 for \$82,000 \$1,000 denom. not to exceed 6% bonds.

N. C., Morganton — Funding — Burke County Commrs., Virginia Taylor, Clk., receive bids Aug. 19 for \$120,000 bonds.

N. C., Newton — Town, Loy E. Sigmon, Clk., receives bids Aug. 20 for \$99,000, \$1,000 denom., not to exceed 6% bonds: \$49,000, funding; \$50,000, sewer.

N. C., Shelby — Shelby Special School Dist. No. 33, B. L. Smith, Supt., voted \$58,000 bonds. 7-25

Okla., Mangum — Airport — City plans bond election.

Okla., Clinton — City Comm., W. A. Shouse, City Clk., rejected bids for \$615,000, \$1,000

denom. not to exceed 6% bonds: \$600,000, water; \$15,000, fire fighting equipment. 7-25

Okla., McAlester — Water — City voted \$95,000 bonds. 7-18

Okla., Oklahoma City — Park — City, E. M. Fry, Mgr., receives bids Aug. 20 for \$425,000, improvement bonds. 8-8

Okla., Oklahoma City — Putman City Consolidated School Dist. No. 1, Oklahoma City, Route 3, votes in Sept. on \$30,000 bonds.

Okla., Tecumseh — City plans \$150,000 bond election: \$105,000, water supply; \$45,000, extend and improve city mains, sewer and light systems.

Okla., Texhoma — Sewer — Town, J. H. Settles, Clk., voted \$58,000 bonds. 7-28

Okla., Tulsa — City, Dan W. Patton, Mayor, may vote in Oct. on \$4,000,000 to \$6,000,000 bonds, including street improvement, bridge, playgrounds, storm and sanitary sewers, purchase and equip municipal hospital, etc.; K. R. Teis, City Engr.

Okla., Woodward — City, H. M. Renner, Mgr., considering \$85,000 bond issue, for sanitary sewer extension, water system improvement, to purchase land for municipal airport and improve city hall.

S. C., Anderson — Highway — Anderson County Commrs., J. Clyde Pruitt, Clk., receives bids Aug. 23 for \$400,000, \$1,000 denom. not to exceed 5½% bonds. 8-8

S. C., Greenville — City, Alvin H. Dean, Mayor, considering \$400,000 bond issue to retire water notes and install sewerage.

S. C., Greenville — Street — City, Alvin H. Dean, Mayor, plans bond issue.

S. C., Sumter — School Dist. No. 1 Sumter Township, voted \$30,000 bonds.

Tenn., Knoxville — City, Neill Bass, Mgr., receives bids Aug. 27 for \$235,000, 4¾% improvement bonds. 8-1

Tenn., Lebanon — Hospital — Wilson County defeated \$100,000 bond issue. 7-25

Tenn., Union City — City Hall — City votes Aug. 20 on \$25,000 bonds.

Tenn., Wartrace — Water — City, S. H. Rutledge, Clk., voted \$140,000 bonds. 8-1

Tenn., Anahuac — Road — Chambers County Road Dist. No. 3, L. R. Miller, County Judge, receives bids Sept. 9 for \$50,000, 5%, \$500 denom. bonds. 8-8

Tenn., Arlington — City considering issuing \$32,000 warrants for street, water and sewer improvements.

Tenn., Bellevue — School — City votes Nov. 5 on \$110,000 bonds.

Tenn., Brownfield — Brownfield Independent School Dist. voted \$75,000 bonds.

Tenn., Dallas — City, J. Waddy Tate, Mayor, considering issuing and selling \$1,400,000 bonds: \$1,000,000, auditorium; \$400,000, art gallery.

Tenn., Dallas — City Comm., J. Waddy Tate, Mayor, received no bids for \$1,200,000, 4½% general fund warrants. 8-1

Tenn., Devine — Devine Independent School Dist. voted \$42,000 bonds.

Tenn., Houston — Municipal Improvements — City, Walter E. Monteith, Mayor, considering \$85,000 bond issue, including \$12,500 for city hall; H. L. Shaw, City Engr.

Tenn., Hansford — Road — Hansford County Commrs. plan calling election on \$240,000 bonds, for Dist. No. 1.

Tenn., Kirbyville — Sewer — City votes Aug. 24 on bonds.

Tenn., Lockhart — Road — Caldwell County, Commrs. Precinct No. 2, plan \$300,000 bond election.

Tenn., Lufkin — Lufkin Independent School Dist., votes Aug. 28 on \$40,000 bonds; E. L. Kurth, Pres. School Board. 8-1

Tenn., Marlinton — Falls County, Road Dist. No. 4 votes Aug. 31 on \$453,000, 5½% bonds: \$48,000, to retire similar amount outstanding of previous issue; \$45,000, maintenance; \$360,000, highways.

Tenn., Mercedes — Bd. of Directors, Hidalgo and Cameron Counties Water Control and Improvement Dist. No. 9, called election for Sept. 7 on \$3,500,000 bonds: About \$2,473,608 to American Rio Grande Land and Irrigation Co. for entire system, except office building; about \$977,932, additional improvements; \$50,000, retire outstanding preliminary bonds.

Tenn., Meadow — Meadow Independent School Dist. voted \$50,000 building and equipment bonds.

Va., Hopewell — City, Roy S. Braden, Mgr., receives bids Sept. 24 for \$750,000 bond, for street, schools and sewers. 8-1

W. Va., Clendenin — City voted \$35,000 bonds: \$20,000, municipal building; \$15,000, street.

W. Va., Huntington — Road — Cabell County Court, R. S. Douthat, Clk., received no bids for \$286,000 5% Grant Road Dist. bonds: lately noted bids July 31. 7-25

## Bond Issues Sold

Ala., Montgomery — City Commrs., B. A. Kilgrew, City Auditor, sold \$800,000, 5%, of \$1,300,000 improvement bonds, recently offered, jointly, at 97, to two syndicates: Lehman Bros., Stone & Webster & Blodgett, Inc., Kountze Brothers, all New York, E. H. Rollins & Son, Boston, and other headed by Caldwell & Co., Nashville, Tenn. 8-1

Ark., Texarkana — Street — Bd. of Commrs., Street Improvement Dist. No. 53, sold \$33,000, 6% bonds to American Southern Trust Co., Little Rock, 102,055. 7-18

Fla., Orlando — Courthouse Refunding — Orange County Commrs., B. M. Robinson, Clk., sold \$250,000 bonds to Orange County Bond Trustees, at par. 7-25

Fla., Pensacola — Escambia County Bd. of Public Instruction, Wm. Tyler, Supt., sold \$30,000 6% Special Tax School Dist. No. 10 bonds to First National Bank of Mobile, Ala., at 92.50. 7-18

Fla., Starke — Street — City sold \$12,000, bonds to Gulf Life Insurance Co., Jacksonville, at 98.

Md., La Plata — School — Charles County Commrs., F. Wills Posey, Clk., sold \$60,000, 5%, \$500 denom. bonds to Townsend Scott & Son, Baltimore, \$60,158 and accrued interest. 8-1

Md., Rockville — School — Montgomery County Commrs., sold \$336,000, 4½%, \$1,000 denom. bonds to National City Co., New York, 98.099. 7-11

Miss., Prentiss — Jefferson Davis Bd. of Suprs., sold \$20,000, Bassfield Consolidated School Dist. bonds to Bank of Blountville, Prentiss, at par, accrued interest and expenses.

N. C., High Point — City, Ed L. Ragan, Sec., sold \$828,000 bond anticipation loan notes to W. O. Gay & Co., New York at par: \$500,000, 5¾%; \$328,000, 6%. 7-25

Tenn., Chattanooga — City, E. D. Bass, Mayor, sold \$500,000, 4¾% suburban improvement bonds, at 100.20, to syndicate composed of Harris Trust & Savings Bank, Chicago, Caldwell & Co., Nashville, and Hamilton National Bank of Chattanooga. 8-1

Tenn., Cleveland — Bradley County sold \$15,000 refunding bonds to Caldwell & Co., Nashville, at \$40 premium.

Tenn., Kingston — Bridge — Roane County

(Continued on page 102)

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THE new ten million dollar plant of the Pullman Company at Bessemer will open early in September. It will give employment to about 1000 men. One of its first contracts is an order for 400 cars for shipment to South America.

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# FINANCIAL NEWS

(Continued from page 100)

Quarterly Court, T. F. Ingram, County Judge, sold \$125,000 bonds to Caldwell & Co., Nashville, par and \$750 premium. 7-18

Tenn., Ripley—Road—Lauderdale County Hard Roads Comm., W. Tucker, Jr., Sec., sold \$250,000, not to exceed 6% bonds to Caldwell & Co., Nashville. 7-25

Tex., Le Feria—La Feria Water Control and Improvement Dist. No. 3, Cameron County, sold \$500,000, bonds to A. C. Allyn & Co., Chicago, at 90. 7-18

Tenn., South Pittsburg—Street—City, R. C. Aycock, Mayor, sold \$100,000, 5% bonds to Caldwell & Co., Nashville, par. 7-4

Tex., Wharton — Wharton County sold \$200,000, 5½% Road Dist. No. 5 coupon bonds to White-Phillips Co., Davenport, at par.

Va., Princess Anne—Princess Anne County Comms. sold \$293,000, Kempsville Magisterial Road Dist. bonds to David Robison & Co., Inc., Toledo, \$700 premium.

## New Financial Corporations

Fla., Belle Glade—First National Bank of Belle Glade, capital \$25,000, plans organizing; Dr. Wm. J. Buck, correspondent.

Ky., Louisville—Fidelity Union Co., capital \$1,500,000, organized; approved by Fidelity & Columbia Trust Co., and Citizens Union National Bank, J. D. Stewart, Pres. of both.

La., Shreveport—Cotton Valley Investment Corp., capital \$100,000, chartered; P. C. Willis, A. J. Hodges.

Md., Baltimore—Airshares Corp. of Maryland, Equitable Bldg., capital \$100,000, chartered; Charles P. Burger; deal in securities.

Mo., St. Louis—Northwestern Co., probable capital \$5,000,000, organizing; Lambert E. Walther, Henry H. Oberschelp, interested; acquire stock of Northwestern Trust Co., Charles Maull, Pres., 1500 St. Louis Ave., and North St. Louis Trust Co., Louis E. Boeger, Pres., 3500 N. Grand Blvd.

Okla., Tonkawa — Bank of Commerce of Tonkawa, capital \$50,000, re-organized; M. G. Kreger, Chmn., Bd. of Directors.

Tenn., Memphis — Hill Trust & Savings Bank, Madison Ave., west of Main St., capital \$250,000, chartered; Frank F. Hill, Sr., Pres.

Tenn., Memphis—Wheatley National Bank, capital \$200,000, Dr. A. N. Kittrelle, correspondent, 169 Beale St.

Tex., Plainview—Plainview National Bank, L. S. Kinder, Pres., organizing trust company, with \$50,000 capital; J. D. Steakley, V.-P., to be Ch. Executive of trust company.

Tex., San Antonio—Southwest Trust Co., capital \$200,000, chartered; Elmer A. Dittmar, City Natl. Bk. Bldg.

Tex., San Antonio—Alamo Investment Co., capital \$20,000, chartered; L. A. Casey, 321 N. St. Marys St.

Tex., San Antonio—General Investment Co., capital \$20,000, chartered; R. A. Hickey, 321 N. St. Marys St.

Va., Danville—Industrial Bank-Chain, Inc., organized; Robert R. Murray, Pres., Arcade Bldg., Danville; N. R. Withers, Sec.-Treas., New York; branches in Richmond, Washing-

ton, Baltimore, Roanoke, Charlotte and Raleigh; headquarters in New York.

Bank of Monroe, Monroe, Va., re-opened as branch of Commercial Loan & Trust Co., Lynchburg, Va.; C. H. Kabler, Cashier.

Citizens & Marine Bank, J. E. Webb, Pres., Newport News, Va., increased capital, \$100,000 to \$200,000; added trust privileges.

Fidelity Trust Co., Fort Worth, Tex., plans increasing capital, \$100,000 to \$300,000.

First National Bank of Louisville, John M. Monahan, Pres., and affiliated companies, Louisville, Ky., purchased First National Bank & Trust Co., H. E. O'Bryant, Pres., Owensboro, Ky.

First National Bank, Embury L. Swearingen, Chmn. of Bd., and affiliated institution, Louisville, Ky., acquired Boyle Bank & Trust Co., I. T. Lanier, Pres., Danville, Ky.

Georgia Finance Co., H. K. Burns, Pres., Macon, Ga., plans increasing capital \$300,000 to \$400,000.

Murfreesboro Building & Loan Assn., Murfreesboro, Tenn., plans increasing capital, \$250,000 to \$500,000.

Tennessee Building & Loan Assn., B. W. Graves, Pres., Nashville, Tenn., increased capital to \$5,000,000.

Tennessee Mutual Building & Loan Assn., and International Building & Loan Assn., both Chattanooga, Tenn., plan merging, probably under name of International Building & Loan Assn., with authorized capital, \$6,000,000 to \$7,000,000.

## Southern Natural Gas Corporation Offers \$13,000,000 Bonds

Contracts Awarded and Construction Progressing on 421-Miles of Main Lines and 409 Miles of Branch and Feeder Lines

Birmingham, Ala.—The Southern Natural Gas Corporation, which is building a natural gas line from the Monroe and Richland fields in Louisiana, through Mississippi and Alabama to Atlanta, Ga., is offering \$13,000,000 first mortgage 6 per cent sinking fund gold bonds, through G. L. Ohrstrom & Company, Inc., Halsey, Stuart & Co., Inc., Graham Parsons & Co., Coffin & Burr, Inc., A. G. Becker & Co., all New York, and Gillet & Co., Baltimore. The total length of the main line will be 421 miles of which more than 130 miles have been constructed. The branch and feeder lines will aggregate 409 miles.

Ford, Bacon & Davis, Inc., engineers and contractors, New York, are handling the construction of the line, of which 276 miles will be of 22-inch pipe and 145 miles of 20-inch pipe. They are using pipe made by the National Tube Co. at Gary, Ill.; Lorain, Ohio, and McKeesport, Pa., and by the Republic Iron and Steel Company of Youngstown, Ohio, and the A. O. Smith Corporation, Milwaukee, Wis. Couplings are being made by the S. R. Dresser Manufacturing Co., Bradford, Pa.; pipe protective materials by the Walles Dove-Hermiston Corp., Garwood, N. J., and the Barrett Com-

pany, Fairfield, Ala. Clamps for river lines are being supplied by the Mobile Pulley & Machine Co., Mobile, Ala., and valves for the project by the Crane Company, Chicago, and the Westcott Valve Co., of East St. Louis, Ill. The Crane Company and the Midwest Piping & Supply Co., St. Louis, are fabricating headers and valve assemblies.

Contracts for laying different sections of the line have been awarded to Williams Brothers and the Oklahoma Contracting Co., both of Tulsa, Okla., and the Hope Engineering Corporation of Mt. Vernon, Ohio. The Sheehan Pipe Line Construction Co. and the Walker & Lawrence Co. will lay a number of branch lines, while the Petroleum Electric Co. will supply material and erect a telephone line. Sites for two compressing stations to be installed at once are being cleared by A. M. Lockett & Co., Ltd., New Orleans, La., who have contracts for the stations. Major construction features of the project are expected to be completed by the end of this year.

The Tri-Utilities Corporation was recently formed to supplant the United Power, Gas and Water Corporation, headed by G. L. Ohrstrom, and controlling the Federal Water Service Corpora-

tion and the Peoples Light and Power Company which, with subsidiaries, operates in about twenty-nine states. The Tri-Utilities Corporation acquired a majority of common stock of the Southern Natural Gas Corporation. It was announced that the Southern Natural Gas Corporation had contracted to supply at wholesale the gas requirements of companies distributing gas in a number of towns and cities in Alabama, Georgia and Mississippi.

## Industrial Bank-Chain, Incorporated

Danville, Va.—The Industrial Bank-Chain, Inc., to finance industrial loan companies, has been organized with Robert R. Murray, president, and J. T. Hamlin, vice-president, both of Danville, and N. R. Withers, New York, secretary-treasurer. Capitalization of the company will include two classes of common stock—one of 100,000 shares of no-par value and the other of 50,000 shares. It will start operations, it is said, with branches in Richmond and Roanoke, Virginia; Raleigh and Charlotte, North Carolina; Washington, D. C., and Baltimore.

## \$453,000 Bond Election

Marlin, Tex.—Road district No. 4 of Falls County will vote August 31 on a bond issue of \$453,000, of which \$48,000 will be used to retire outstanding bonds, \$45,000 for road maintenance and the remainder for road construction.



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## PLANS FOR \$1,000,000 VIRGINIA PLANT

**Sylvania Industrial Corporation to Make  
Transparent Paper**

The Sylvania Industrial Corporation, New York, recently organized with Roger N. Wallach, president, to build a plant near Fredericksburg, Va., for the manufacture of transparent paper, announces that plans for the plant have been completed, railroad sidings are being placed and that actual construction will begin soon. The plant will be located between the Rappahannock River and the Richmond, Fredericksburg & Potomac and the Virginia Central railroads, on a site of 200 acres. It will manufacture transparent paper similar to the imported and domestic types, mainly to take the place of the foreign material which is being imported in regular quantities, the company having acquired exclusive licenses from European patentees. The plant is estimated to cost \$1,000,000 and will employ approximately 500 workers. Dr. Frank H. Reichel, general manager of the company, will be in charge, it is said. The company was incorporated in Delaware with a capital stock of \$3,500,000. General contract for the construction of the plant is reported to have been awarded to the Hughes-Foulkrod Co., Philadelphia.

## Improving Racial Conditions

The Daily Clarion-Ledger of Jackson, Miss., recently carried a news item illustrating how the negroes themselves in South Mississippi are aiding in the betterment of racial conditions. Anselm J. Finch, publication secretary of the Oak Park Vocational School for the training of the negro youth, Laurel, Miss., in a survey of negro homes in South Mississippi finds that the negroes are really solving the so-called race problem. He points out that the negroes have been encouraged to buy homes and develop farms, and in so doing they have created their own jobs and produce something of value. The negroes are learning that, to gain permanent recognition, races like individuals must have something of value to offer the public in exchange. They are happy and prosperous and the schools and churches are well supported, states Mr. Finch.

## Plan \$300,000 Auditorium

Knoxville, Tenn.—Barber & McMurry, Knoxville architects, are preparing plans for a \$300,000 auditorium here for the University of Tennessee. A law passed by the last Legislature authorizes the city to issue \$150,000 auditorium bonds,

to supplement a similar sum to be appropriated by the University, and city council is now considering calling an election for September 28 on the proposal.

## \$250,000 Florida Railroad Contract

Tampa, Fla.—Contract has been awarded to E. W. Parker, Tampa, for constructing the new Mayo and Cook's Hammock railroad in North Florida, extending about 15 miles through a rich phosphate and naval stores section. In addition to constructing the road, Mr. Parker will also build stations, telephone system and equip the line. Work will be started at once and will be completed in about 9 months. The project involves approximately \$250,000.

## Plans for Intracoastal Canal Lock

Harvey, La.—To provide a lock at the junction of the Intracoastal Waterway and the Mississippi River here, the Chief of Engineers of the War Department approved the lock location and fixed the size at 75 by 425 feet. The lock will be placed with its upper or river end 700 feet from the river with an approach channel 300 feet wide at the river tapering to 75 feet at the lock. Bending on either side of the approach, the river levee will be connected with the lock walls. Supported on a pile foundation, the walls and floor of the lock will be of reinforced concrete built as a unit. Gates will be of steel, of the mitering type—two at the upper and two at the lower end, one gate at each end being designed to resist a reverse head, which occurs at times when water in the canal is higher than in the river.

Water will be admitted to the lock chamber through culverts in the lock walls and the flow regulated by sluice valves designed to resist pressure in either direction. An emergency dam will be installed above the upper gates to provide a means for shutting off the flow of water in case a gate is carried away. All operating machinery will be driven by electric motors. Immediately below the lock, structures will be constructed to carry two railroads, an electric railway and a highway across the canal, the tracks to be raised to give a clearance of 13 feet above extreme low water. The railroads will be carried across the canal on a double track bascule bridge, each bridge to have at least 83 feet horizontal clearance between faces of piers. Approaches are to be provided with pile guide walls.

Lauderdale County Commissioners, Ripley, Tenn., sold a \$250,000 road bond issue to Caldwell & Co., Nashville, Tenn.

## Gadsden District Described

"There are only a few localities on the face of the whole earth where all the raw materials for the production of iron in practical quantities are found in juxtaposition as they occur in northern Alabama, and the Gadsden District is in the center of this field," runs the opening paragraph of an attractive booklet on the factors that have led to the development of the already considerable industrial plants of Gadsden, Alabama City and Attalla, and that are depended on to lead to much greater developments in the future. "At the present rate of consumption," we read, "the coal will last 3000 years and the iron ore 300 years. The deposits of limestone for fluxing are inexhaustible." Maps show the location of the various mineral fields of the state.

A feature of Gadsden's location that is counted on for great future advantage in producing such heavy materials as coal, iron and steel and Portland cement is the projected development of a 9-foot minimum depth in the channel of the Coosa River. This development is being carried out gradually by the Alabama Power Company in its power expansion program. A total of 535,000 horsepower is expected from the completed power development, with navigation locks in every dam. The completion of the 9-foot channel is expected within a few years.

Industries and Gadsden street scenes are shown in 16 pages of illustrations.

The booklet was prepared by E. W. Capen, industrial engineer of the Gadsden District and is issued by J. F. Scott, Grant Building, Pittsburgh.

## \$550,000 Depot Project

Atlanta, Ga.—General contract for constructing a new union station here has been awarded by the Nashville, Chattanooga & St. Louis Railway to the Southern Ferro Concrete Co., Atlanta. The Raymond Concrete Pile Co., New York and Atlanta, was awarded contract for piling and the Virginia Bridge & Iron Co., Roanoke, contract for steel. The entire depot project, including the construction of the Forsyth street viaduct and other work, is estimated to cost \$550,000, of which amount from \$225,000 to \$250,000 will be expended on the depot building. This structure will be L-shaped, 164 by 150 by 75 feet, one story with the ground floor on a level with Forsyth street, of steel and reinforced concrete, with brick and Indiana limestone exterior. Vitrolite interior trim, steel sash and door and tile roofing furnished by the American Cement Tile Manufacturing Co., Pittsburgh, Pa. McDonald & Co. are the engineers and Robert S. Fiske, consulting engineer, both of Atlanta.





It  
seems a  
long time  
ago!



OF course most of the antiquated equipment shown in this office of '98—including the whiskers—was thrown overboard years ago, but there's one item which we still find in some otherwise modern offices.

And when we *do* find the noisy, dusty, splintery floors of that period rubbing elbows with fine office furniture and furnishings and with the up-to-date appliances and devices which modern business employs, we realize that something is amiss.

Plainly, old-fashioned floors have no place in the business office of today—not when quiet, resilient floors of spot-proof *Sealex* Linoleum and *Sealex* Treadlite (cork-composition) Tiles can be laid so easily and inexpensively, and provide so many advantages.

Bonded Floors make any office appear more attractive . . . business-like . . . progressive . . . up-to-date . . . prosperous. Appearance alone would justify their use regardless of such worthwhile practical advantages as quiet, comfort, durability and easy cleanliness.



**BONDED FLOORS** keep pace with the latest developments in office furniture and decoration, providing patterns and color schemes which are appropriate for their surroundings—as, for example, the unusual *Sealex* Tile floor laid-to-order for this modern office. A wide variety of designs, conservative or modern, colorful or sedate, is offered.

Write for our booklet, "*Facts You Should Know About Resilient Floors for Offices.*"

## BONDED FLOORS

*Sealex Linoleum and Tile*



*Backed by a Guarantee Bond*

CONGOLEUM-NAIRN INC., 195 BELGROVE DRIVE, KEARNY, N. J. AUTHORIZED CONTRACTORS ARE LOCATED IN PRINCIPAL CITIES

## Urges Reforestation of Marginal Lands

Diversion to timber growing of certain marginal lands now being farmed at a loss is advocated by Secretary of Agriculture Arthur M. Hyde. In a statement, he said:

"It would undoubtedly be good economics to divert to profitable timber growing such marginal agricultural lands as are best suited for forest purposes and are now being farmed at a loss. The encouragement of such conversion would be sound public policy. Not only would it result in a greater return to the labor and capital employed, but in addition it would contribute permanently to agricultural stability and prosperity. Such conversion of use would help solve the problem of our future supplies of forest products and would contribute to soil conservation and flood prevention.

"Our agricultural economists know that much land that is submarginal for agriculture is still being cultivated, notwithstanding the fact that many millions of acres of farm land have been abandoned during the past two decades. Pressure of increasing poverty will eventually force the cultivators of submarginal agricultural land to abandon their farms also. Meanwhile, however, their misdirected efforts not only lead to their own impoverishment but are an important factor in contributing to the depression of the entire industry.

"The proposal that a reasonable amount of such lands, in regions where depression is most acute and the prospects of early agricultural success most dubious, be purchased by the Federal Government or some other agency finan-

cially able to carry the investment for a sufficient period to realize on the greater value of the land for forestry purposes, has much to commend it as a humane and businesslike measure. Some such plan might possibly be worked out on a scale sufficiently large to be of real consequence as a farm relief measure. It should, of course, be coordinated with the forest land purchases now being conducted by the Department of Agriculture under the general control of the National Forest Reservation Commission.

"The problem of bringing larger areas of land into use for timber growing has been given some detailed consideration by this department during recent years, and plans have been discussed looking toward a detailed economic classification of lands and toward other fundamental studies which would supply the basic information needed for converting to and maintaining in forest those lands that are economically most suited to that use. The matter of taxation is important. Many states have tried by exemptions, bounties, and by special forms of forest taxation to promote reforestation and forestry practice by private owners. To only a small degree have these efforts been successful. The situation is one of such importance and complexity that under the terms of the Clarke-McNary law this department, through the Forest Service, is making a thorough-going investigation of sound principles of forest taxation. That study has been under way for two or three years and will continue for at least that much longer. On the whole, it appears that forest lands can and should bear their fair share of taxation. However, it is important to determine what is a

fair tax to place on forest lands and then to develop a system providing for payment at such times and in such ways as will not be an unreasonable obstacle to growing forest crops by private owners."

### Commerce Yearbook, 1929

A bird's-eye view of American economic life in 1928, an official survey of developments in all branches of industry and trade in the United States and its outlying territories and possessions, is ready for distribution by the Bureau of Foreign and Domestic Commerce. In this review the underlying basic features of business are discussed and comparative data for several years presented. The price is \$1.00. Copies may be obtained from any of the branch offices of the Bureau of Foreign and Domestic Commerce or from the Superintendent of Documents, Washington, D. C.

Volume II of the Commerce Yearbook covering foreign countries is being compiled and will be ready about October 1. In it will be presented the latest available data from official and other reliable sources on foreign markets, together with maps, charts and tables.

Hopewell, Va., opens bids September 24 for the purchase of \$750,000 bonds, Daniel Lewis, Greensboro, N. C., being in charge of the sale.



## PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 22, 1929.

U. S. Engineer Office, 300 Custom House, Baltimore, Md. Sealed proposals will be received here until 1 P. M. August 22, 1929, Eastern Standard Time, and then opened, for dredging approximately 2,367,000 cubic yards of material from Baltimore Harbor and channels, Md.

Bids close August 28, 1929.

Office of Constructing Quartermaster, Fort Bragg, N. C. Sealed proposals in triplicate will be received until 10:00 A. M. August 28, 1929, and then opened, for the construction and completion of four ammunition magazines and connecting road at Fort Bragg, N. C. \$25.00 deposit required for drawings, etc. Further information on request.

Bids close August 22, 1929.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 22, 1929.—SEALED BIDS will be opened in this office at 3 P. M. August 22, 1929, for new marquee, new roof dormers, partitions, etc., for the U. S. Postoffice and Courthouse, Greenville, S. C. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

### GENERAL INFORMATION

#### About Proposal Advertising in Manufacturers Record

PUBLICATION DAY: Thursday.

FORMS CLOSE: 10 A. M. Tuesday.

When too late to send copy by regular mail to reach us by 10 A. M. Tuesday, forward by night letter or air mail when possible.

#### THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day, gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened or when daily insertions are necessary to meet legal requirements.

The rate is the same for both publications—35 cents a line each insertion.

Bids close August 23, 1929.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 6, 1929.—SEALED PROPOSALS will be opened in this office at 3 p. m., August 23, 1929, for furnishing all labor and material required for a pumping plant in the receiving and detention building at the U. S. immigration station, Baltimore, Md. The successful bidder will be required to furnish a performance bond of 50% of the contract price. Specifications may be obtained from this office. JAS. A. WETMORE, Acting Supervising Architect.

Bids close August 20, 1929.

### \$425,000 Improvement Bonds

Oklahoma City, Okla.

Sealed bids will be received by the City Clerk of the City of Oklahoma City, Okla., until 12 o'clock M., August 20, 1929, for the purchase of \$425,000 Park Improvement Bonds. The attorney's fees for approving opinion to be paid by purchaser. Certified check for 2% must accompany bid. No bid will be accepted for less than par and accrued interest. Interest payable semi-annually. Right to reject any and all bids reserved. Address.

E. M. FRY, City Manager.



Bids close August 22, 1929.

**Bridge and Substructures**DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building bridge and substructures as follows:  
Wicomico County—Cont. W-50—Abutments, piers and earth approaches required for the proposed bridge over the tracks of the N. Y. P. & N. Railroad Co. at North Division Street, Salisbury.

will be received by the State Roads Commission, at its offices, Federal Reserve Bank Building, Calvert and Lexington Sts., Baltimore, Maryland, until 12 M. on the 22nd day of August, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 8th day of August, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close August 20, 1929.

**Concrete Highways**DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building five sections of State Highway as follows:  
Anne Arundel County. Cont. AA-71. One section of State Highway along St. Margarets Road from the end of Cont. AA-53 to Skidmore, a distance of 1.8 miles. (Concrete).

Howard County. Cont. Ho-64. One section of State Highway along the Baltimore-Washington Blvd. from the end of Cont. Ho-61 at Trinity Church toward Elkridge, a distance of 2.5 miles. (Concrete shoulders).

Kent County. Cont. K-40. One section of State Highway from the Fair Lee Road through Broad Neck, a distance of 3.7 miles. (Concrete).

Kent County. Cont. K-41. One section of State Highway from the end of Cont. K-24 at Pomona through Quaker Neck, a distance of 3.7 miles. (Concrete).

Somerset County. Cont. S-35. One section of State Highway from the end of Cont. S-29 on the Princess Anne-Mt. Vernon Road toward Mt. Vernon, a distance of 1.17 miles. (Concrete).

will be received by the State Roads Commission, at its offices, Federal Reserve Bank Building, Calvert and Lexington Sts., Baltimore, Maryland, until 12 M. on the 20th day of August, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 6th day of August, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close August 20, 1929.

**Bridge**DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building a bridge as follows:

Baltimore County. Cont. B-114. Single 109 foot span steel and concrete bridge over the tracks of the Baltimore and Ohio Railroad Company on the Baltimore-Washington Blvd. (known as Vinegar Hill Bridge) about one mile north of St. Denis. (The structural steel necessary for the construction of this bridge is to be furnished and erected under a separate contract).

will be received by the State Roads Commission, at its offices, Federal Reserve Bank Building, Calvert and Lexington Sts., Baltimore, Maryland, until 12 M. on the 20th day of August, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 6th day of August, 1929.

G. CLINTON UHL, Chairman.

L. H. STEUART, Secretary.

Bids close September 3, 1929.

**Concrete Highways**

Baton Rouge, La.

Sealed Proposals will be received by the Louisiana Highway Commission, Room No. 608, Louisiana National Bank Building, Baton Rouge, Louisiana, until 11 o'clock A. M. on Tuesday, September 3, 1929. Proposals will not be received after this hour. At 11.15 o'clock A. M. of the same day and date, they will be publicly opened and read in the Chamber of House of Representatives in the State Capital Building. The work will consist of paving the following projects with Portland Cement Concrete Pavement and other work in connection therewith:

PROJECT NO. 6400. HOUMA-HUMPHREYS HIGHWAY, located in Terrebonne Parish, Route No. 2, Length 8.0 miles.

Width 18' Concrete Pavement. Charges for plans \$3.00.

PROJECT NO. 3101. ALOHA-KADISH HIGHWAY, located in Grant Parish, Route No. 1, Length 13.5 miles.

Width 18' Concrete Pavement. Charges for plans \$4.00.

PROJECT NO. 5100. RAYVILLE-DELHI HIGHWAY, located in Richland Parish, Route No. 4, Length 16.2 miles.

Width 18' Concrete Pavement. Charges for plans \$5.00.

PROJECT NO. 1550. READVERTISEMENT, DE RIDDER-LEESVILLE HIGHWAY, located in Beauregard and Vernon Parishes, Route No. 42, Length 5.5 miles.

Width 18' Concrete Pavement. Charges for plans \$2.50.

PROJECT NO. 3050. READVERTISEMENT, WINNSBORO-SICILY ISLAND HIGHWAY, located in Franklin Parish, Route No. 15, Length 5.65 miles.

Width 18' Concrete Pavement. Charges for plans \$2.50.

Full information and proposal forms are available at the offices of the Highway Commission at Baton Rouge. Plans and specifications may be inspected there or will be furnished upon payment of amounts specified above (not to be refunded).

W. H. NORCKAUER,

State Highway Engineer.

O. K. ALLEN, Chairman,

Louisiana Highway Commission.

Bids close August 27, 1929.

**Virginia Highway Work**

DEPARTMENT OF HIGHWAYS

Richmond, Virginia.

The Commission will receive bids on:

Project	Length	Type
S578A	2.5 Mi.	Macadam
S587A	5 Mi.	Soil

Details obtainable on request.

Bids close September 3, 1929.

**Storm Sewer**

Oklahoma City, Okla.

Sealed bids will be received by the City Clerk of the City of Oklahoma City, Okla., until 12 o'clock M., Sept. 3, 1929, for constructing storm main sewer in the districts of North Walker, Laird—Kate and Lee Avenues, East Capitol Hill and North Broadway. Bids will be received either on part of work or as a whole. Each proposal must be accompanied by a certified check on a bank located in Oklahoma City, for 3% of the amount of bid, payable to the City Clerk.

Usual rights reserved. Address

M. PESHEK, JR., City Clerk.

Bids close September 3, 1929.

**Sanitary Sewers**

Fairfield, Ala.

Sealed bids will be received by the City of Fairfield, Ala., at the office of the City Clerk until 10 A. M., Sept. 3rd, 1929, and at that time publicly opened for the construction of sanitary sewers set out under Improvement Ordinance Nos. 14 and 15. The same being in the City of Fairfield, Jefferson County, Alabama. The principal items of work are approximately as follows:

27,950 Lin. Ft. 8" Conc. or V. C. Pipe  
Sanitary Sewers.  
1,660 Lin. Ft. 10" Conc. or V. C. Pipe  
Sanitary Sewers.  
2,270 Lin. Ft. 12" Conc. or V. C. Pipe  
Sanitary Sewers.  
1,950 Lin. Ft. 18" Conc. or V. C. Pipe  
Sanitary Sewers.  
1,650 Lin. Ft. 21" Conc. or V. C. Pipe  
Sanitary Sewers.  
970 Lin. Ft. 24" Conc. or V. C. Pipe  
Sanitary Sewers.  
134 Manholes.

Plans and specifications are on file in the office of the City Clerk at Fairfield, Ala., and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured, on deposit of \$5.00, from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.00.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Five Thousand (\$5,000) Dollars made payable to the City of Fairfield, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

M. W. PRATT, Mayor.

ROBERT L. TOTTON, INC.,

Consulting Engineers,  
Birmingham, Ala.

Bids close August 27, 1929.

**Pumps**

Columbia, S. C.

The Mayor and City Council of Columbia, S. C., will receive bids until ten o'clock A. M., at the City Hall on August 27, 1929, for the following material:

2 3/4 Million Gallon Horizontal Piston Pumps. Delivery against 310 feet head.

Information to bidders will be furnished upon request.

Each bidder is required to furnish a certified check in the amount of \$1000, made payable to the City Clerk and Treasurer, which amount shall be forfeited to and become the property of the city if the bidder fails to enter into a contract.

The right is reserved to accept or reject any or all bids.

W. S. TOMLINSON,  
City Engineer.

August 5, 1929.

# CLASSIFIED OPPORTUNITIES

## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

**FOR SALE**—Several tracts of mineral rights. Have one tract of 16,000 acres, another of 715 acres, which have been coredrilled and open pitted. Our geological report gives 240,000,000 tons of Rock Asphalt on the large tract and 4,000,000 tons on the small tract. For complete data address W. P. HARLEY, Bowling Green, Ky.

### WATER POWER SITE

**WATER POWER SITE** near railroad and several towns in South Carolina. Has 1000 horsepower. Low development cost. E. L. THOMAS, Belton, S. C.

### TIMBER AND TIMBER LAND

**OWNER OFFERING 2600 ACRES VIRGIN HARDWOOD TIMBER, LOCATED ON MACADAMIZED ROAD** six miles from shipping point on main line C. & O. R. R. in Va. at sacrifice price, \$16 per acre. Proprietor Central Hotel, Point Pleasant, Penna.

### 85000 ACRES.

Cruised 419,527,000 feet merchantable timber. Two Railroads, 7 Miles to Ocean going Barges. Greatest Body of Pine, Cypress and Gum timber left untouched in Mid-South. 300,000 cords Pulp Wood. Biggest Bargain of all time for quick sale or trade. Must be sold. More than a million in profit. Address Box 1811, Winston Salem, N. C.

### TIMBER OPERATION FOR SALE

Saw Mill location in South Georgia, one hundred million feet Pine and assorted Hardwood, well located for rail and water shipping. Cut can be extended by purchasing logs on per thousand basis. Also have several smaller propositions. C. B. Harman, 505 Forsyth Bldg., Atlanta, Georgia.

### FARM AND TIMBER LAND

**TIMBER TRACTS**, large and small, direct from owner. Also sugar lands in the Everglades adjoining the Southern Sugar Co.'s plantation. This is one of Florida's greatest assets, and now is the time to buy. We specialize in exchange of property. P. JOHN HART REALTY & INVESTMENT CORPORATION, Fort Myers, Florida.

**2200 ACRES** (600 open, 1600 heavily timbered, hardwood); fine farm home, splendid barn; fenced all around; gravel road through; 7 miles Port Gibson, Claiborne Co., Miss. Merchantable timber, estimated 3,000,000 to 5,000,000 feet. Gentleman's estate, stockraisers, hunters' paradise; deer, squirrel, coon, possum, fishing; \$15 acre. BARBOUR, Box 485, Vicksburg, Miss.

## FARM, FRUIT AND TRUCK LANDS

### ARIZONA

**FREE Government land** in Arizona, now open to homestead; Citizens of the United States entitled 640 acres each, also Arizona State school land for sale on 38 years' time. Book of information and laws on receipt of \$1 or mailed c. o. d. J. W. ANGLE, Box 603, Tucson, Ariz.

### LOUISIANA

**ATTENTION, FARMERS**—100 choice, well improved farms, running from 30 acres to 300 acres, for sale or rent, located in richest part of Mississippi delta of Louisiana. Healthy location, good school and church facilities; 50 well satisfied white farmers already located. Greatest opportunity ever offered farmers to rent or buy homes at low prices and on easy terms. Will furnish tenants having own teams and farm machinery. Write James P. Allen, Owner, St. Joseph, La.

## Rates, Terms and Conditions

**RATES:** 30 cents a line each insertion. Minimum space accepted, four lines. In estimating the cost allow six or seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made.

### Rates for Special Contract:

100 lines 28c a line  
300 lines 26c a line  
500 lines or more 25c a line

**TERMS:** For transient advertising cash with order; check, postoffice or express money order or stamps accepted. On special contract advertising, bills are rendered monthly, covering space used each month, payable within ten days.

**CONDITIONS:** No patent medicine, oil or mining stock advertisements or questionable or undesirable advertisements will be accepted. The assistance of our readers in excluding undesirable advertisements is requested. No display type used.

## FARM, FRUIT AND TRUCK LAND

### MISSOURI

**295 ACRES** finest black land; free from any overflows; 7-room house; good barn; in wheat, clover, bluegrass, corn; on gravel road near school; fine alfalfa land; loan of \$5500 at 5%; price for quick sale, \$50 per acre; you'll never get another chance like this; literature on request telling of the finest country in the world.

C. F. BRUTON,  
Sikeston, Mo.

### MISSISSIPPI

**INVESTORS' AND FARMERS' OPPORTUNITY** to buy rich farm lands in Delta of Mississippi; attractive prices, reasonable terms; size tracts 680, 400, 320, 200 and 40 acres, each well located. For particulars each tract address

W. A. RITCHIE, Clarksdale, Miss.

### NEW MEXICO AND TEXAS

**MR. OPPORTUNITY AND THE CHIP!** Said Opportunity to Wide-Awake, "Dare you to knock this chip off my shoulder?" "Wad-da you mean chip?" said Wide-Awake, "you got some cheap land to sell?" "Yes!" said Opportunity, "160 acres only \$3 an acre and 3 miles of a little town and railroad and some credit." "Well, I swan," said Wide-Awake, Ask

JAMES W. KELLY,  
324 North 4th St., Waco, Texas.

P.S.—Some fine ranches in Texas and New Mexico to sell. Some good improved ones at \$4, \$5 and \$6. From 1000 to 80,000 acres.

### OKLAHOMA

#### NORTHEASTERN OKLAHOMA IN THE OZARKS

Unimproved fruit, poultry, dairy and livestock lands—350 acres \$3.75 per acre, 270 acres on Highway \$4 per acre, 410 acres on Highway, three Springs, \$6.50 per acre.

70 acres improved \$1200; 30 improved \$1000 on Highway, 100 acres livestock farm, 45 in Red Clover, only \$2500.

1000 acres foreclosed black prairie lands in tracts to suit and long time payments \$35 to \$50 per acre. Fine water, climate and soil.

W. B. WOLF, Jay, Oklahoma.

## GAME PRESERVE

**FOR SALE**—One of the best duck preserves, ideally located, coastal South Carolina. Clubhouse, modern conveniences, manager's house, etc. Upkeep minimum. Terms. A. L. White, M. & F. Bank, Spartanburg, S. C.

## GAME PRESERVE OR STOCK FARM

**FOR SALE**—50,000 acres cutover Pine Timber lands in Mississippi. Good for cattle raising, general farming or large Game Preserve. Best bargain in the South. Price \$2.50 per acre. Easy terms.

JOHN J. KYSER,  
50 South Cedar Street, Mobile, Ala.

## SOUTHERN HOME

**FOR SALE**—At a sacrifice, in North Georgia town adjacent Atlanta, 2-story brick colonial home, slate roof, large, shady lot. Apply P. O. Box 85, MARIETTA, GA.

## SOUTHERN RESORT

### VISIT

#### MYRTLE BEACH, SOUTH CAROLINA

A delightful and attractive Mid-South Coastal Resort City in the making on Historic King's Highway.

Accessible by A. C. L. Railroad and excellent highway to water's edge.

Genial climate, pure artesian drinking water, municipal improvements.

Modern hotels, various forms of recreation, excellent golf course.

Property values enhancing; demand increasing.

For information write MYRTLE BEACH INVESTMENT CO., Myrtle Beach, S. C.

## SOUTHERN ESTATE

**DOWN IN OLD VIRGINIA THERE IS A BEAUTIFUL HOME AND A WONDERFUL ESTATE FOR YOU.**

I am offering for sale that beautiful and luxurious home you have been looking for all these years which is one of the real beauties of the Valley of Virginia; such grand scenery, being so beautifully situated in the Blue Ridge Mountains and so advantageously located, being only one hour's drive from that fast growing and prosperous city known as Roanoke, Virginia, and only a short distance from that world famous and popular resort known as Natural Bridge, with the Valley Pike known as the Lee Highway running in front of and along the full length of this wonderful estate. That beautiful shady lawn and handsome home, with one single glance, would grip you with the desire to stop over and stay forever. I am offering this place to settle an estate with all fireproof buildings, which are numerous; the main mansion completely furnished with handsome furniture and furnishings. There are 160 acres of good land, nicely rolling, and more adjoining land can be acquired if desired. This place is unincumbered and can be had for \$150,000; \$50,000 cash and the balance in ten equal instalments with interest. Kindly communicate with the undersigned at 614 MacBain Building, Roanoke, Virginia. Phone 1111.

BERNARD K. THOMAS.